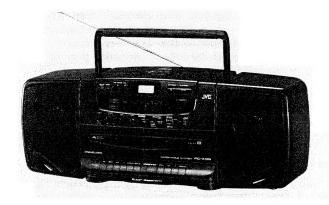
JVG

SERVICE MANUAL

CD PORTABLE SYSTEM

PC-X95 B/E/G/EN/GI





Area Suffix	
В	U.K.
EContinen	tal Europe
G	Germany
	ern Europe
GI	

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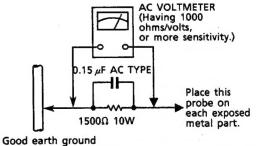
-Safety Precautions -

- 1. The design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Services should be performed by qualified personnel only.
- 2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.
- 3. Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (\(\Delta\)) on the Parts List in the Service Manual. The use of a substitute repalcement which does not have the same safety characteristics as the recommended replacement parts shown in the Parts List of Service Manual may create shock, fire, or other hazards.
- 4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.
- 5. Leakage currnet check (Electrical shock hazard testing)
 After re-assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, contorl shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.
 - Do not use a line isolation transformer during this check.
 - Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester",
 measure the leakage current from each exposed metal parts of the cabinet, particularly
 any exposed metal part having a return path to the chassis, to a known good earth
 ground. Any leakage current must not exceed 0.5mA AC (r.m.s.).
 - Alternate check method Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having, 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500 Ω 10 W resistor paralleled by a 0.15 μ F AC-type capacitor between an exposed metal part and a known good earth ground.

Measure the AC voltage across the resistor with the AC voltmeter.

Move the resistor connection to each exposed metal part particularly any exposed metal part

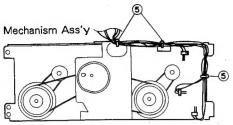
metal part, particularly any exposed metal part having a return path to the chassis, and meausre the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).



Warning -

- 1. This equipment has been designed and manufactured to meet international safety standards.
- 2. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
- 3. Repairs must be made in accordance with the relevant safety standards.
- 4. It is essential that safety critical components are replaced by approved parts.
- 5. If mains voltage selector is provided, check setting for local voltage.

■ Important Management Points Regarding Safety (Items Demanding Special Safety Precautions)





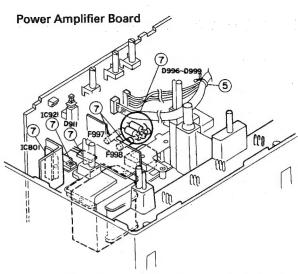
- The power transformer must be checked by the following markings as well as managed in the fastening torque of the screws. Also confirm parts number according to the parts list.
 C: VTP57P2-12C (Marking)
- ② Power cord: Make sure of the following markings and inspect exterior scratch and damage. (Accessories Parts)

	Power cord	Attachment plug	Connect plug
В	BS6500		KS-15F
E/G/GI/EN	□ VDE ▷	KP419C	KS-15 or KS-15F

3 Confirm the AC socket marking:

B/E : HSC/466

Wires and so forth must be securely clamped or fixed as illustrated on the left (at two points) to keep them from power active parts, mobile parts, heating units and sharp-edged parts.



- ⑦ Since the following parts are hea generating ones, they must not contact with electrolytic capacitors, wires, etc.
 - Parts in box _____ are out of JVC control.

heat sink], [D591], [Q581], [D996], [D997], [D998], [D999], [IC801], IC921, [Q911], [Q921]

Note: IC801 (TA8207K) must be checked if its primary side is protected by the primary barrier protector.

Fuse

LABEL

Confirm (S), (V) mark on F998 and F999 and they are tightly retained by fuse holders.

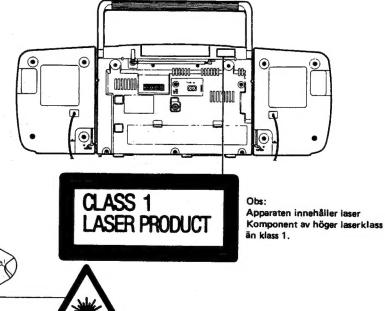
IDENTIFICATION LABEL AND CERTIFICATION

B/E	F998	T3, 15A
E	F997	T3, 15A

IMPORTANT FOR LASER PRODUCTS (For U.S.A. only)

- 1. CLASS 1 LASER PRODUCT
- DANGER: Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
- CAUTION: Do not open the rear cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
- 4. CAUTION: The compact disc player uses invisible laser radiation and is equipped with safety switches which prevent emission of radiation when the disc holder is open and the safety interlocks have failed or are defeated. It is dangerous to defeat the safety switches.

 CAUTION: Use of controls of adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.



ADVARSEL Der vil udstrales synlig alserbestraling has apparatet abnes og affas lingsalekaresalen figore undga at BUVE LDSE * FOR LASERBES "RALING" DANGER-Invisible laser radiation when open and interlices obteated AVOID DIRECT EXPOSURE 50 BEAM

VAROITUSI Laite sisältää laserdiodin, joka lähettää näkymätätöntä silmille vaarallista lasersäteilya.

Instructions (Extract)

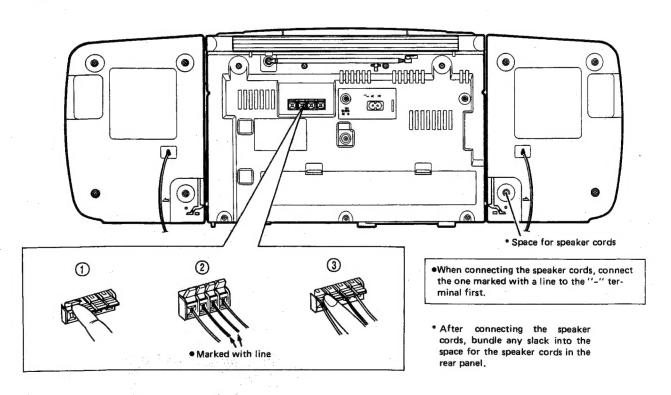
FEATURES

- 1. Portable system incorporating multi-function CD player.
 - CD player with program play of up to 20 tunes/repeat play function.
 - Digital LCD (Liquid Crystal Display) indicates the playback time of each tune and the number and total playback time of programmed tunes.

 • 8-cm (3-3/16") "CD singles" capability.
- 2. Synchro-record start for CD recording convenience.
- 3. Double-cassette mechanism (Deck A for recording and playback, Deck B for playback).
 - Metal and CrO2 tape can be played back, for superior tone quality.
 - Synchro start dubbing function (normal/high-speed dubbing).
 - Relay playback (from Deck B to Deck A).
 - Full auto-stop mechanism.
- 4. SUPER BASS HORN system

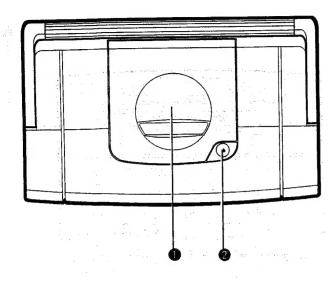
CONNECTIONS

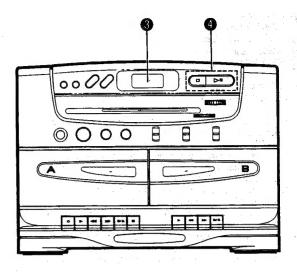
 Do not switch the power on until all the connections are completed.



NAMES OF PARTS AND THEIR **FUNCTIONS**

Top panel

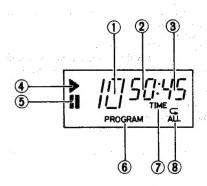




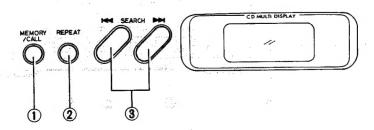
- Disc holder
 Disk holder open button (PUSH OPEN) (▲)
- Display window (CD player section)

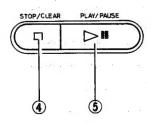
 - Display window (CD player section)

 ① Track (tune) number display
 ② Program order number/Time (minute) display
 ③ Time (second) display
 ④ Playback indicator (►)
 ⑤ Pause indicator (■)
 ⑥ Program mode indicator (PROGRAM)
 ⑦ TIME mode indicator
 ⑧ Repeat playback indicator (► ALL)









- CD operation buttons

 - OD operation buttons

 ① MEMORY/CALL button
 ② REPEAT button
 ③ SEARCH (I◄◄ / ▶►) button
 ④ STOP/CLEAR (□) button
 ⑤ PLAY/PAUSE (▷□) button

6 Dial scale

TUNING knob

FINE TUNING knob

1 POWER switch

9 VOLUME control

BASS control
TREBLE control

P FUNCTION switch

CD

Set to this position when listening to or recording from a CD.

TUNER

Ser to this position when listening to or recording from the radio.

TAPE-HIGH SPEED DUBBING

Set to this position to dub at high speed.

TAPE-NORMAL SPEED DUBBING

Set to this position to listen to a cassette or dub at normal speed.

TAPE (FOR PLAYBACK)/FM MODE/BEAT CUT switch TAPE (FOR PLAYBACK) switch

Set this switch according to the type of tape to be used.

NORMAL:

Set to this position to listen to a normal (type I) tape. METAL-CrO2: (playback only)

Set to this position to listen to a metal (type IV) or chrome (type II) tape.

FM MODE switch

STEREO: Set to this position to listen to or record an FM stereo broadcast.

MONO: Set to this position when FM stereo reception is obscrued by noise.

BEAT CUT switch

Usually set to "1 NORM" position.

Beats which may occur while recording an AM broadcast can be eliminated by changing the position of this switch.

BAND switch (FM/AM)

Cassette holder (Deck A)

Cassette holder (Deck B)

Cassette operation buttons (Deck A)

OREC:

Press this button with the ▶ PLAY button to start recording.

►PLAY:

Press to play the tape.

REW:

Pre

Press to rewind the tape rapidly.

►► FF:

Press to wind the tape forward rapidly.

■ /≜ STOP/EJECT:

Press to stop the tape. Pressing this button after the tape stops opens the cassette holder.

II PAUSE:

Press to stop the tape temporarily. Press again to release the pause mode.

(B) Cassette operation buttons (Deck B)

►PLAY:

Press to play the tape.

dd REW:

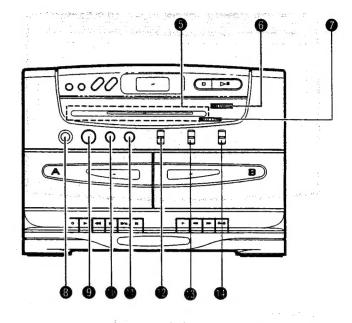
Press to rewind the tape rapidly.

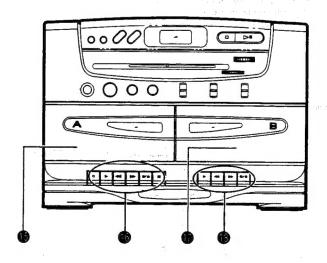
Press

Press to wind the tape forward rapidly.

■/≜STOP/EJECT:

Press to stop the tape. Pressing this button after the tape stops opens the cassette holder.



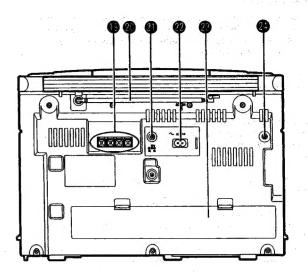


SPEAKER terminals

Connect the provided speakers to these terminals.

- Telescopic antenna for FM reception.
- DC (12 V) jack
- AC IN (AC input) jack
 Battery compartment cover
- PHONES jack (3.5 mm dia. stereo mini) Connect headphones (impedance $16 \Omega - 1 k\Omega$) to this jack. The speakers are automatically switched off with the headphones connected.

Rear panel

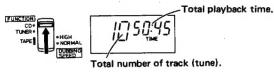


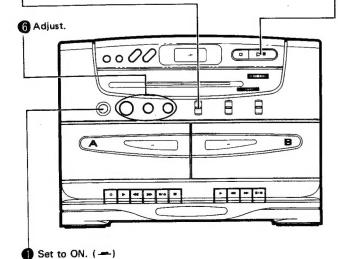
PLAYING COMPACT DISCS

Entire tune playback The following example shows using a compact disc which contains 10 tunes and a total playback time of 50 minutes, 45 seconds.

Operate in order shown.

A Set to CD. The disc starts rotating and the total number of track (tune) and total playback time are displayed.



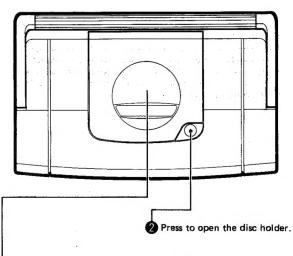


Press to start the playback. The track (tune) number and playback time are displayed.

Track (tune) number.



Displays elapsed playback time of each tune being played back.



3 Load a disc with the label side facing up. Close the disc holder.

Skip playback

 During playback, when skipping to the beginning of the next tune or the tune being played back or the previous tune, the beginning of the tune is easily located and the playback starts from there.

To listen to the next tune ...

Press the ▶► button once to skip to the beginning of the next tune.

To listen to the previous tune . . .

Press the | <- button to skip to the beginning of the tune being played back and press again to skip to the previous tune.

Search playback (to locate the required position on the disc)

- The required position can be located using fast-forward or reverse search during playback.
- Hold down the button and the search playback starts slowly and then gradually increases speed.
- Since a small sound (about one quarter of playback level) can be audible in both modes, release the button when the required position is located while monitoring the sound.

To stop playback

• To stop in the middle of a disc

During programmed playback, press the STOP/CLEAR button once to stop playback; press again to cancel the program.

To stop a disc temporarily

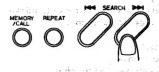
Press the D*PLAY/PAUSE button to stop a disc temporarily. When pressed again, playback resumes from the point where pause was engaged.

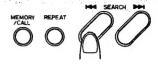
Caution:

When changing discs, press the STOP/CLEAR button; check that the disc has stopped rotating completely before unloading it.

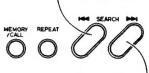
Notes:

- The following indication may be shown when a disc is dirty or scratched, or when the disc is loaded upside down.
 In such a case, check the disc and insert again and clean or change the disc.
- Do not use the unit at excessive high or cold temperatures.
 The recommended temperature range is 5°C (41°F) to 35°C (95°F).
- After playback, unload the disc and close the disc holder.
- If mistracking occurs during playback, lower the volume.
- Mistracking may occur if the unit is given a strong impact or is used in a place which is subject to vibrations (i.e. in a car travelling on a rough road).

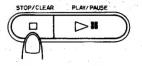


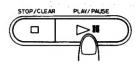


Keep pressing for the fast-reverse search



Keep pressing for the fast-forward search





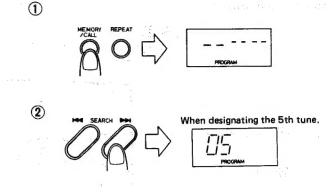


Programmed playback

- Up to 20 tunes can be programmed.
 When there are less than 20 tunes on a disc, the total playback time of programmed tunes is displayed (up to 99 minutes, 59 seconds).
- ① Press the MEMORY/CALL button to set to the programming mode.
- ② Press to designate the required track number.

 To count down the track number, press the |◄◄ but-
- ton.

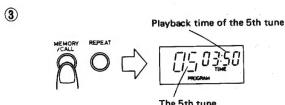
 ③ Press the MEMORY/CALL button to program the track
- (tune) number.
 - Repeat steps 2 and 3 to program other tunes.
- ④ Press the ➤ PLAY/PAUSE button when programming is completed. Programmed playback starts.

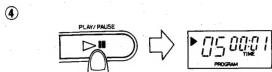


displayed.

Total playback time of programmed tunes is

When programming the 12th tune.





The 5th tune

The 12th tune

To clear programmed tunes

Press the
STOP/CLEAR button before playback. During programmed playback, press this button twice. When the disc holder is opened, the programmed tunes are automatically cleared.

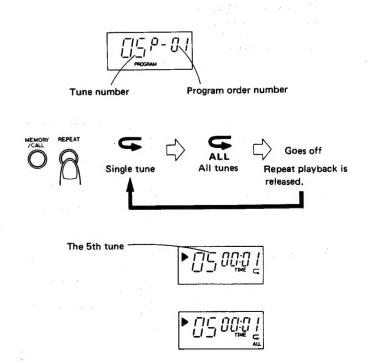
To confirm the details of programmed tunes....
When the MEMORY/CALL button is pressed, the details of programmed tunes are displayed in the programmed order.

Repeat playback

Press the REPEAT button before or during playback. A single tune or all the tunes can be repeated.

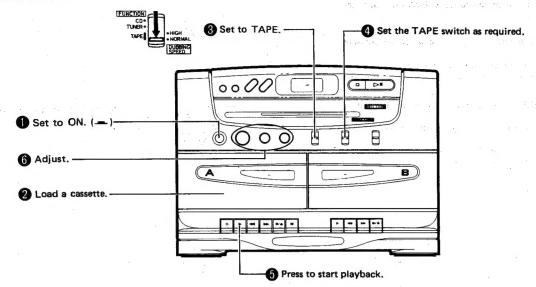
A single tune and all the tunes can be specified separately. Each time the REPEAT button is pressed, the mode will be changed from a single tune () to all the tunes (ALL) to the clear mode, in this order.

- Repeat playback of all the tunes (ALL)
 When playing back the entire disc or programmed tunes, all the tunes or the programmed tunes can be heard repeatedly.



CASSETTE PLAYBACK (The example shows deck A)

Operate in order shown.

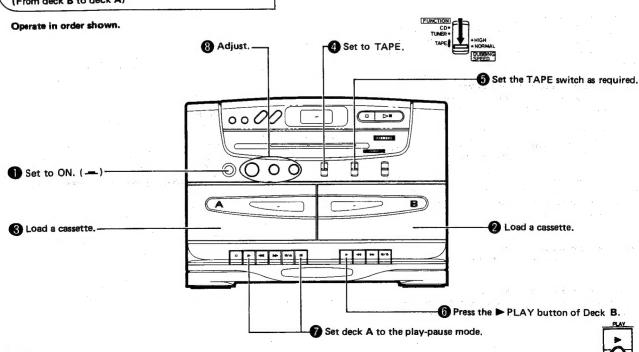


The previous procedures (a) and (b) also apply to deck B when a cassette is loaded in deck B. When decks A and B are simultaneously set to the play mode, only the playback sound of deck B is heard.

- 1. When the power is turned off while the tape is running, cassette operation buttons which are depressed do not return to the original positions.

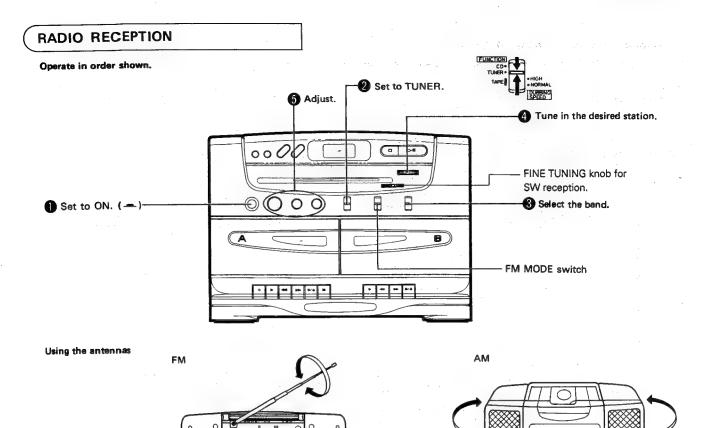
 Press the ■/≜ STOP/EJECT button to stop the tape
 - running before turning off the power.
- 2. Avoid operating the FF or REW button on the deck during playback of the other deck.





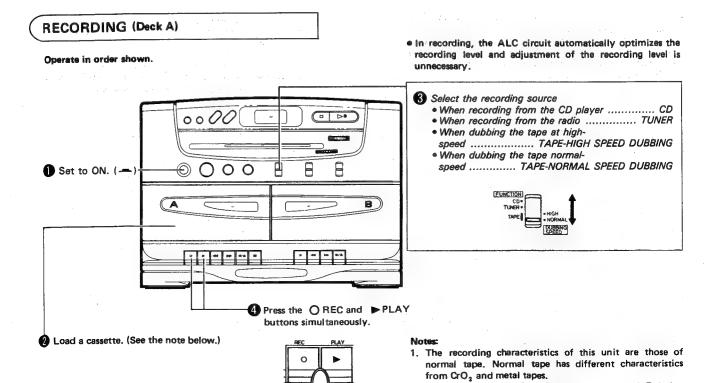
Notes:

- 1. Use the same type of tape in decks A and B.
- 2. When deck B stops, deck A's pause mode will be released and it will start playback. When deck A stops automatically, relay playback will be released.



Note:

The built-in ferrite core antenna can pick up interference tones from television receivers in the neighborhood and thereby disturb MW reception.



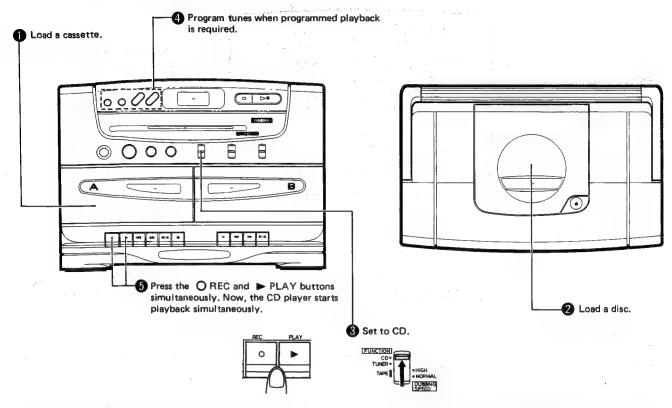
2. Avoid operating the FF or REW button on deck B during

recording.

Synchronized recording with the CD Player

• In this system, the CD player starts playback when deck A enters the recording mode.

Operate in order shown.

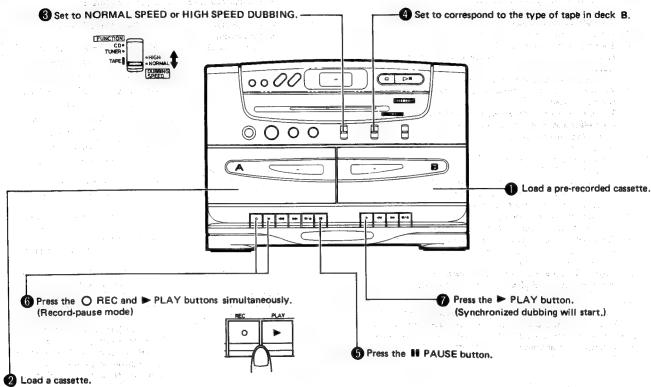


- Non-recorded sections of approx. 4 seconds are left automatically between tunes.
- When the tape reaches the end first, the CD player stops automatically; when the CD player stops first, the tape continues running. In this case, press the ■/ STOP/ EJECT button to stop the tape.
- When automatic spacing between tunes is not required ... Perform the following after finishing the previous operation ($oldsymbol{0}$ $oldsymbol{0}$).
- Press the ▷■ PLAY/PAUSE button of the CD player twice. The CD player enters the pause mode.
- ② Press the REC and ► PLAY buttons simultaneously. Now, the CD player starts playback simultaneously.

DUBBING (SYNCHRO START DUBBING)

Normal and high-speed dubbing can be done from deck B to deck A.

Operate in order shown.



(Refer to the note on page 30)

Notes:

- Television receivers placed close to this unit may cause interference on the recorded signal when this unit is used in the high-speed dubbing mode. If this happens, either turn off the television receiver or use the normal-speed dubbing mode.
- With deck A in the record-pause mode, the #8 PAUSE button is released when deck B enters the stop mode.
- 3. Avoid switching the FUNCTION switch during dubbing.

II PAUSE button

First of all, press the **III** PAUSE button. Then, press the OREC and **PLAY** buttons, thus entering the record-pause (standby) mode. After that re-press the **III** PAUSE button at the exact moment you want to start recording. This releases the tape to begin recording at a precise moment.

• Do not leave the unit in pause mode for more than a few minutes. Instead, push the ■/♠ STOP/EJECT button and turn the power off.

Full auto-stop mechanism (both decks A and B)
When the tape reaches either end during the recording/
playback and fast forward or rewinding mode, the tape stops automatically.

Erasing

When recording on a prerecorded tape, the previous recording is automatically erased and only the new program is recorded on the tape.

To erase a tape without making a new recording...
Follow the section "RECORDING" but in step ③, set the FUNCTION switch to TAPE then perform recording to erase a tape.

TROUBLESHOOTING

What appears to be trouble is not always real trouble. Make sure first

- Power cannot be turned on.
- is the power cord unplugged?
- When the PLAY button is pressed, tape does not move.
- Is the ## PAUSE button pressed?
- Playback sound is small.
- Are batteries run down?
- Is head section dirty?
- Sound quality is poor.
- is the position of TAPE switch correct? (during play-
- O REC button cannot be pressed.
- Are the safety tabs of cassette tape removed?
- is cassette loaded?
- The disc is loaded, however, the total tune number and total playback time are not displayed.
- Is the disc upside down?
- Is the disc dirty?
- Is the disc damaged or warped?
- Is the lens dirty?
- Is there lens condensation? If so, set the POWER switch to ON and wait 1 or 2 hours before use.
- No sound can be heard from the speakers.
- Are headphones connected to the unit?
- Are the speaker cords connected securely?
- Since tape speed is irregular, wow and flutter occur.
- Is the pinch roller or capstan dirty?
- Are batteries run down?
- High-speed dubbing cannot be performed.
 Is the position of FUNCTION switch correct?

Note:

When the deck is moved from a cold place of around 0°C (32°F) to a warm place, it may not operate normally, because moisture has formed inside the deck. Normal operation will be restored after waiting 1 or 2 hours.

SPECIFICATIONS

Compact disc player section : (iii

: Compact disc player

Signal detection system: Non-contact optical pickup (semiconductor laser)

2 channels (stereo) Number of channels Frequency response : 20 Hz - 20,000 Hz

: 76 dB Signal-to-noise ratio

Wow & flutter : Less than measurable limit

Radio section

: FM . 88 - 108 MHz (B/E/G/EN) Frequency ranges 87.5 - 108 MHz (GI)

Antennas SW 6 - 18 MHz

> 540 - 1,600 kHz (B/E/G/EN) AM 526 - 1.607 kHz (GI)

150 - 280 kHz (B/E/G/EN) 148 - 284 kHz (GI)

Telescopic antenna for FM & SW Ferrite core antenna for MW & LW

Tape deck section

Motor

Track system 4-track 2-channel stereo

Electronic governor DC motor for

capstan

Deck A: Hard permalloy head (for Heads

recording/playback), Permalloy

head for erasure

Deck B; Hard permalloy head for

playback

Frequency response 63 - 12,500 Hz (with normal

tape/normal speed) 0.15 % (WRMS)

Wow & flutter

Fast wind time Approx. 120 sec. (C-60 cassette)

General Power output

Dimensions

: 4.5 watts per channel, min. RMS, at 3 ohms from 150 Hz to

15 kHz with no more than 10 % total harmonic distortion Max. 16 W (8 W + 8 W) at 3 Ω

(MAX OUT)

: Speaker x 2 (matching impedance 3 - 8 Ω) Output terminals

PHONES x 1

(Output level: $0 - 12 \text{ mW/32 }\Omega$, Matching impedance: $16 \Omega - 1 k\Omega$)

: AC 240 V, 50/60 Hz (PC-X95B) Power supply

AC 230 V, 60 Hz (PC-X95GI/E/G/EN) DC 12 V (8 "D" batteries) 28 W (with POWER SW ON)

Power consumption

2.6 W

(with POWER SW STANDBY) 682 (W) x 249 (H) x 227(D) mm (26-7/8" x 9-13/16" x 8-15/16")

including knobs: Approx. 7.5 kg (16.6 lbs)

Weight (without batteries)

Approx. 8.3 kg (18.4 lbs)

(with batteries)

Speaker Section (each unit)

: 10 cm (3-15/16") x 1 Speakers

Impedance : 3 Q

: 170 (W) x 234 (H) x 195 (D) mm Dimensions

(6-3/4" x 9-1/4" x 7-11/16") Weight : Approx. 1.3 kg (2.9 lbs)

Design and specifications are subject to change without notice. The first area of the inferred

1 Location of Main Parts

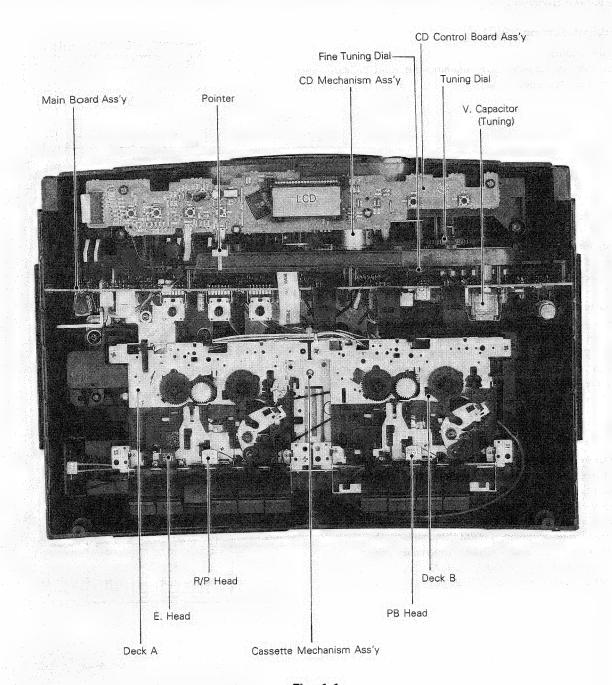


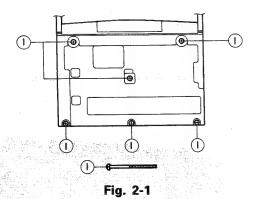
Fig. 1-1

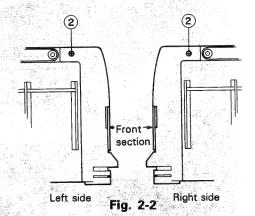
2 Removal of Main Parts

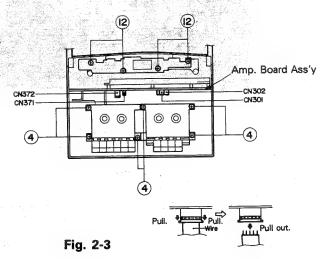
■ Receiver Section

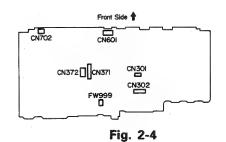
- Cabinet Section (Fig. 2-1)
- Front Cabinet
- Remove six screws (1) retaining the front cabinet from the back side.

- 2. Remove two screws 2 retaining the cabinet from the both sides of the front cabinet. (Fig. 2-2)
- Pull out the knobs of POWER switch, VOLUME and TONE controls.
- How to remove knob;
 Apply adhesive tape onto the knob and pull them together with to remove the knob.
- Push the operation (EJECT) buttons of the cassette decks A and B while opening the cassette doors to remove the front cabinet.
- Cassette mechanism assembly (Fig. 2-3, Fig. 2-4)
- Remove six screws 4 retaining the mechanism assembly.
- Slightly lift the mechanism assembly upward and disconnect the following wire connections.
 - a) Head wire connector CN302 (Mechanism A)
 - b) Head wire connector CN301 (Mechanism B)
 - c) Leaf switch wire connector CN371
 - d) Motor wire connector CN372









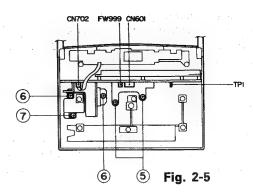
- · Main board assembly (Fig. 2-5)
- 1. Remove two screws 5 retaining the jack bracket.
- 2. Remove two screws 6 retaining the power transformer
- 3. Remove one screw (7) retaining the mechanism holder.
- Disconnect wires connecting with the CD section from the connectors CN702 and CN601 of the main board assembly, and remove the antenna wire from the TP.
- Lock the speaker terminals, then, draw the main board assembly outward.

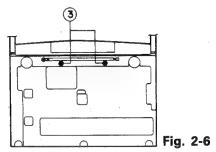
Note: In this condition, fuse can be replaced.

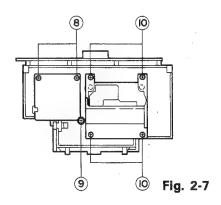
- · CD unit
- 1. Remove two screws 3 retaining the CD unit from the back side. (Fig. 2-6)
- Remove four screws (12) to remove the control board assembly. (Fig. 2-3)

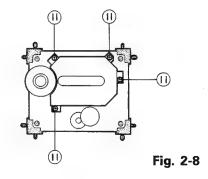
■ Disassembly of CD unit (Fig. 2-7)

- Disconnect the motor wire connector and remove the pickup.
- 2. Remove three screws (8) and (9) retaining the CD amp board assembly.
- 3. Remove four screws (10) retaining the CD mechanism.
- 4. Remove the mechanism holder and then conical spring (spindle side is black).









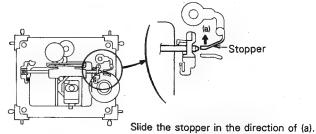


Fig. 2-9 Then, pull out the shaft.

- 1. Remove four screws (11) retaining the pickup cover.
- Slide the pickup shaft stopper in the direction of the arrow while pull out the shaft toward the stopper side.

■ CD door assembly (Fig. 2-10)

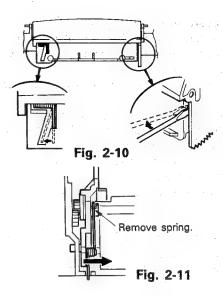
- 1. Remove the CD door from the chassis.
- Insert a screwdriver into the left gear section of the CD door to extend the door arm outward while removing it.

■ Cassette door (Fig. 2-11)

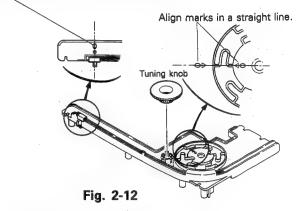
- 1. Remove the door spring.
- Insert a screwdriver between the door arm and the cabinet to bend the door arm in the direction of the arrow while removing the right and left door arms.



- 1. Turn the tuning knob fully counterclockwise.
- 2. Set the "0 Δ " mark of the dial drum to face that of the chassis .
- 3. Align the center of the pointer in the line between the center of the " 0Δ " mark and the hole.
- 4. In the condition satisfying the above steps 2 and 3, fit the tuning knob again.



Align the center of the pointer in the line between "0" and the hole's center.



· Installation procedure:

- 1. Turn the tuning control fully counterclockwise.
- 2. Set the "0 Δ " mark of the dial drum to face that of the chassis.
 - (Shaft of the variable capacitor and the drum become engaged with each other.)
- Align the center of the pointer in the line between the "0" mark and the center of the hole.
- 4. In the condition of the steps 2 and 3, fit the tuning knob.

■ Cassette Mechanism Section

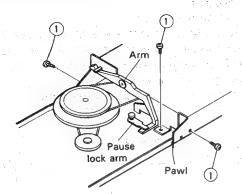


Fig. 2-13

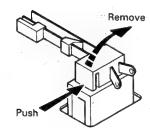


Fig. 2-15

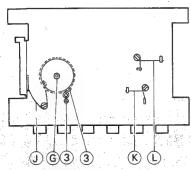
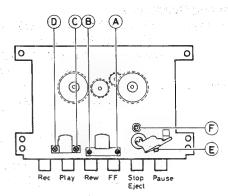


Fig. 2-17

- Motor bracket (Recording/playback deck)
- 1) Remove the three screws (1).
- 2) Remove the chassis and M. bracket from the button side. Then remove the bracket arm (panel). (The synchro arm can be removed from the pause lock. Return the pause lock after it is removed from the proper position.)
- Head section (Fig. 2-14)
- 1) Remove the record/playback head's mounting screw (A) and loosen screw (B).
- 2) Remove the erase head mounting screw (C) and (D).
- Pinch roller (Fig. 2-14)
- 1) Remove the pinch roller arm stopper E.
- Flywheel ass'y (Fig. 2-14, Fig. 2-16)
- 1) Remove the C washer (F) securing the capstan shaft.
- 2) Pull out the flywheel ass'y.



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Fig. 2-14

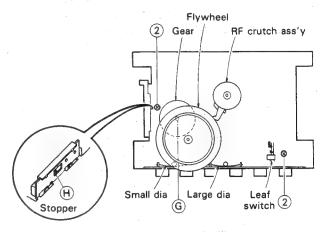
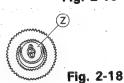


Fig. 2-16



- Removal of the button ass'y from the mechanical chassis.
- Leaf switch (Fig. 2-15)
 Press the switch's lock panel and raise from the left to remove.
- Gear (Below the flywheel) (Fig. 2-16, Fig. 2-18)
 Remove the C washer G securing the gear.
 For reassembly, insert the Sensing Lever arm stand into the Z section.
- Lock arm (Fig. 2-16)
 Press the arm stopper from window (H), and pull to remove.
- Chassis removal (Fig. 2-16, Fig. 2-17)
 - 1) Remove the three (J), (K), and (L) springs.
 - 2) Remove the two screws (2).
 - 3) Remove the two screws (3) securing the capstan metal.
 - 4) Gently remove the button ass'y from the chassis.

Main Adjustment

Measuring Conditions

 Supply voltage : 100-120/220-240 V AC, 50/60 Hz (J only)

120 V AC, 60 Hz (C only)

 Reference output: Speaker : 0 dBs (0.775 V)/3 Ω

Headphone: 0 dBs $(0.775 \text{ V})/32 \Omega$

Test point (CNTP1): -30 dBs Reference input:

Test point (CNTP1): -50 dBs

(REC/PB characteristics check input)

FUNCTION switch : TAPE · Switch setting :

> MODE switch TAPE SELECT switch: NORMAL BEAT CUT switch : POSITION 1 or

NORMAL

DUBBING SPEED switch: NORMAL

BASS/TREBLE: Center Volume setting :

MAIN volume: for 0 dBs output level

• Tape to be used :

· Normal tape for REC and PB

Test tapes

VTT712 (3 kHz, 0 dB) : for measurement of wow &

flutter, tape speed

for standard level adjustment VTT724 (1 kHz, -4 dB) :

VTT703 (10 kHz, -10 dB): for azimuth adjustment

VTT736 (8 kHz/1 kHz/125 Hz): for measurement of PB fre-

quency response

■ CD Player Adjustment

• To run CD player individually for adjustment:

(1) Supply +6 V DC power from the regulated DC power supply to the line between +B and DG of FW601 on the CD board (VMW1293), or connect the pin 5 of FW601 on the CD board (VMW1293) and the amp board with the provided extension cord to supply +6 V DC power for adjustment.

(2) Apply load resistance of 47 k Ω to the audio output.

(3) When loading a disc, use the magnet clamper provided with the set or equivalent.

Attentive point

Connection of IF sweeper:

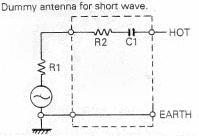
Connect a 30 pF capacitor and a 33 k Ω resistor in series to the sweeper's output while 0.082 µF capacitor and a 100 k Ω resistor in parallel to the input.

IF sweeper's output level:

Set as minimum as enough for adjustment.

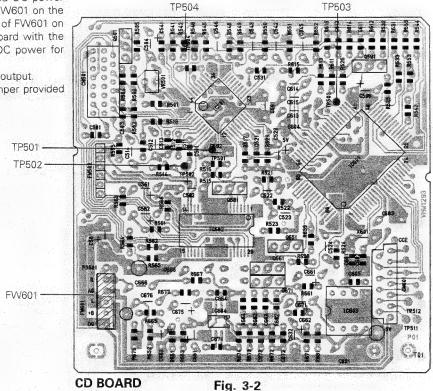
Loop Antenna LOOP ANTENNA AM SSG BAR ANT. 60 cm

Fig. 3-1



Rod length (cm)	L > 90	90 > L > 60	L < 60
C1 (PE)	. 10	8	6

 $R1 + R2 = 80 \Omega R1$: Output impedance of SSG.



Tracking Offset Adjustment

• Required things: Oscilloscope

Normal disc (CTS1000)

- · Adjustment procedure:
- (1) Connect TP503 (Hot side) to an oscilloscope while connect TP501 (Earth side) to GND.
- (2) Play back a normal disc to check if tracking error signal is output or nor.
- (3) Shortcircuit between TP504 and TP501.
- (4) Adjust VR501 so that DC level of tracking error signal is on the "0" (zero) level.

Note: Adjust VR501 so that the waveform becomes vertically symmetrical.

Oscilloscope input should be DC coupling.

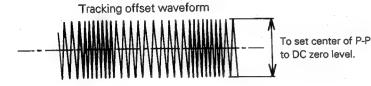


Fig. 3-3

● Maintenance of CD pickup

- To confirm the service life of laser diode
- (1) Load the set with a disc and turn on the power switch.
- (2) Press the PLAY button to play back the disc.
- (3) Observe RF output with an oscilloscope. If it is 0.6 Vp-p or less, clean the object lens with a cotton swab.

Again measure RF output. If it is still under 0.6 V-p, the laser diode maybe gets having had it. In that event, replace the pickup following the instructions.

· Semi-fixed resistor on the pickup board

The semi-fixed resistor on the pickup board installed on the pickup are prepared for laser power adjustment.

Since this adjustment must be performed in accordance with the properties of the optical block, do not disturb this semifixed resistor.

When laser power is poor, it results from wear of the laser diode and it needs to replace.

If the semi-fixed resistor of the normal pickup is turned, it may be damaged by overcurrent.

· Grating adjustment

Grating has been adjusted well in the unit condition. If it is maladjusted, playback of CD may become impossible since laser beam traces another track.

APC (automatic program control)

In the OPTIMA5, APC is prepared in the CD mechanism, however, in the OPTIMA6, an IC on the CD board functions as APC. (CD mechanism has no APC function.)

Pickup replacement procedure

Separate the pickup from the set to be a unit, and confirm no incoming electricity.

Detach the CD mechanism from the CD board.

Loosen screws fixing the pickup to the pickup holder and shaft and remove the pickup.

Install a new pickup and securely connect it to the connector, then reassemble the CD mechanism to the CD board.

Unsolder solder bridge of the shorting land for laser protection on the soldered side of the pickup board.

Turn on the electricity without disc being loaded, and confirm that the lens vertically moves with emission of the laser. (Do not look laser bean in the eye.)

Preset VR501 for tracking adjustment to the center position.

Play back a disc to confirm that the disc normally rotates.

Adjust tracking offset.

PLAY, SKIP operation normal?

See Repair instructions.

Replacement completes.

■ Tuner Alignment

Basic conditions

• basic conditions	The gradient of the state of th
POWER SOURCE OF THE RECEIVER	AC: 240 V (B) 230 V (E/G/GI/EN) 50/60 Hz DC: 12 V
	(Connect 47 n resistor to Tuner Input.)
LOAD RESISTANCE OF THE RECEIVER	50 mW (0.39 V)/3 Ω (1996 to 1996 to 2010 to 1996 to 1
MODULATION OF SSG	AM : 400 Hz, 30 %, FM: 400 Hz, 22.5 kHz dev.
Item	Description

1. AM IF ALIGNMENT

(The unit should not usually require adjustment. Follow the steps below when adjustments are necessary.)

1-1 Conditions of the receiver

(1) Power source:

(2) Function switch position:

(3) Band select switch:

(4) Volume control:

(5) BASS/TRE control:

(6) Reception frequency:

1-2 Connection of sweeper and the receiver

(1) Tuner input:

(2) Tuner output:

450 kHz (455 kHz)

1-3 Aligning position:

1-4 Alignment (waveform):



7.0 V DC

(When the power is supplied directly to the tuner in the receiver, the voltage should be adjusted to the proper level which shall be required by the tuner.) (Connect 47 Ω in series when applying 7 V to tune unit) TUNER

MW

Minimum gain position

Center position

Set the reception frequency to the highest position and to the position where the signal does not enter.

Positive side to TP3

Positive side to TP6, Negative side to TP7

T2

Adjust MW IFT (above mentioned aligning position) so that maximum and symmetrical waveform can be obtained. In this case, the wavehead should appear at the center marker (450 kHz) on the scope of sweeper.

2. FM IF ALIGNMENT

(The unit should not usually require adjustment. Follow the steps below when adjustments are necessary.)

- 2-1 Conditions of the receiver
 - (1) Power source:
 - (2) Function switch position:
 - (3) Band select switch:
 - (4) Volume control:
 - (5) BASS/TRE control:
 - (6) Reception frequency:
- 2-2 Connection of sweeper and the receiver
 - (1) Tuner input:
 - (2) Tuner output:

Same as mentioned in item 1-1

TUNER

FM .

Minimum gain position

Center position

Set the reception frequency to the highest position and to the position where the signal does not enter.

Positive side to TP5

Positive side to TP6, Negative side to TP7

Note: a) Attach a capacitor (30 pF) and resistor (33 k Ω) to the positive side cable which shall be led from sweeper output.

b) Attach a resistor (100 k Ω) in series to the positive side cable which shall be led from sweeper input.

2-3 Aligning position:

2-4 Alignment (waveform):



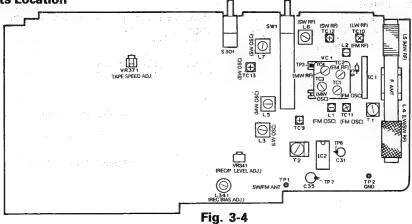
Fig. A



Discriminate waveform: T1 ("S" curve waveform)

- Disconnect CF3 to change waveform from S-curve (Fig. B) to singlepeak waveform (Fig. A).
- Turn T1 to shape waveform so that it peaks in the center (10.7 MHz) of the waveform and is symmetrical in both sides.
- Connect CF3 again and confirm that waveform returns to the original (Fig. B).

Adjusting Parts Location

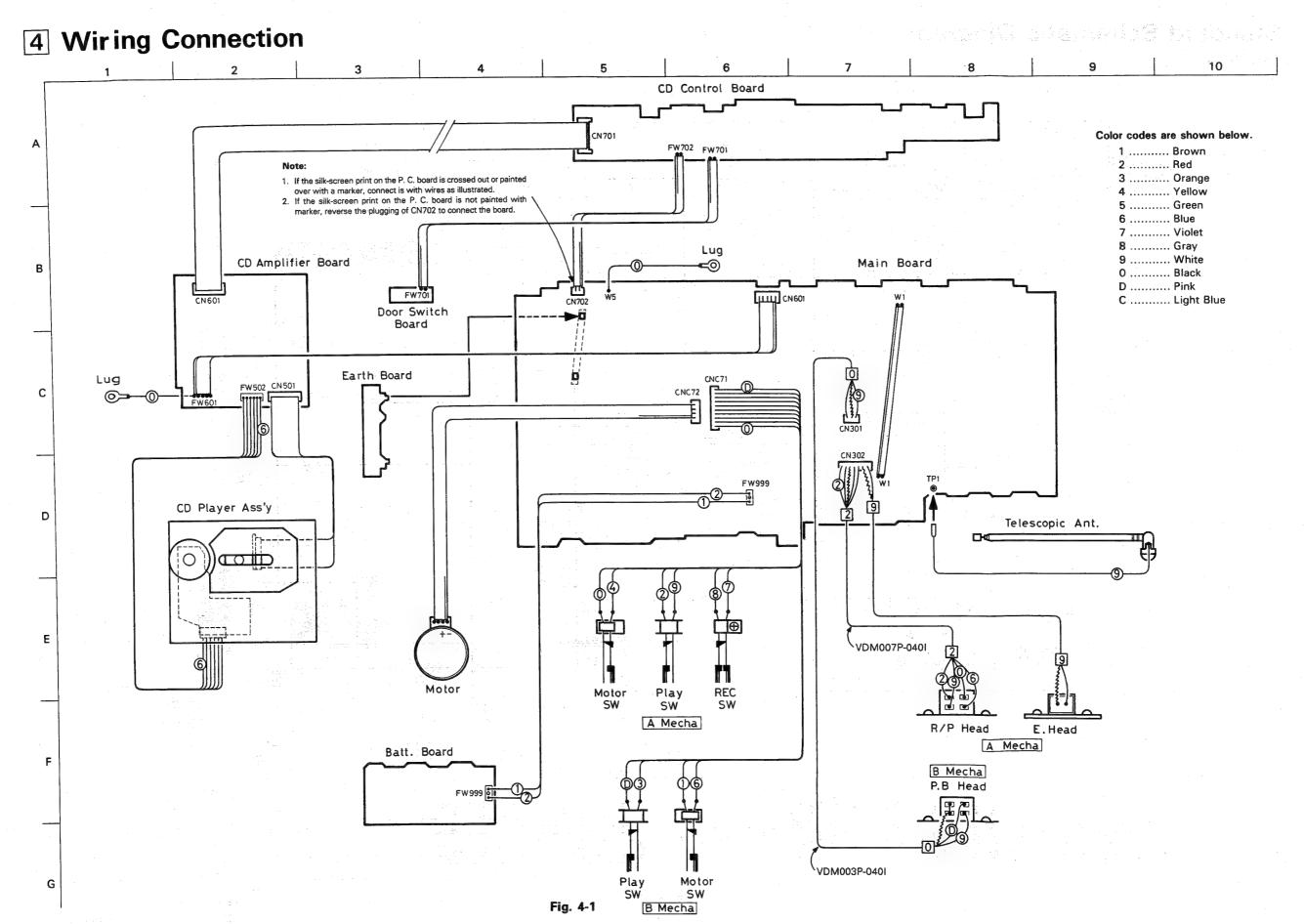


	Item	te Maraketa		Description	
2 M/M	RF ALIGNMENT				
3-1 C	onditions of the rec	eiver	ou to poten a servizible. God of explosion of our		
(1) Po	ower source:	7	Same as mentioned in	n item 1-1	ľ
(2) Fu	inction switch posi-	tion:	TUNER	Property of the Control of the Contr	
(3) B:	and select switch: plume control:		Approx. 50 mW		
(4) V	ASS/TRE control:		Center position		
(6) V	ariable capacitor:			list shown in item 3-4.	
	onnection of SSG	All the track with	400 11 00 0		
	1odulation:		400 Hz, 30 %	list shown in item 3-4.	
(2) F	requency: output level of the a	tttenuator in SSG:		lecided by the load resistance	e of the receiver
10,0	atput for or or or or		mentioned in the basi		
	output measuring po	osition:	Speaker terminal		
3-4 A	lignment:			the state of the s	
	Band Select Switch Position	Sort of Antenna to be attached to SSG	Frequency of SSG	Variable Capacitor Position	Aligning Position
1,		Harrist Communication	145 kHz (B/E/G/EN) 138 kHz (GI)	Max. capacity	L3
2			290 kHz (B/E/G/EN) 293 kHz (GI)	Min. capacity	TC9
3	LW	Loop Antenna	Adjust the above align	ning position (L3 & TC3) repeated quency range (bandwidth).	dly so that the tuner
4	- ▼ ¹		145 kHz (B/E/G/EN) 138 kHz (GI)	To receive 145 kHz 138 kHz	L4
5			290 kHz (B/E/G/EN) 293 kHz (GI)	To receive 290 kHz 293 kHz	TC10
6		and the second s		gning position (L4 & TC10) rep	eatedly so that the
0			tuner can obtain the		
	Band Select Switch Position	Sort of Antenna to be attached to SSG	Frequency of SSG	Variable Capacitor Position	Aligning Position
7	A service of the serv		520 kHz (B/E/G/EN) 516 kHz (GI)	Max. capacity	L5
8			1,650 kHz (B/E/G/EN) 1.632 kHz (GI)	Min. capacity	TC5
9	MW	Loop Antenna		ning position (L5 & TC3) repeate equency range (bandwidth).	dly so that the tuner
10		,	600 kHz	To receive 600 kHz	L6
11			1,500 kHz (B/E/G/EN) 1,400 kHz (GI)	To receive 1,400 kHz	TC4
12		1		ning position (L6 & TC4) repeate ensitivity.	dly so that the tuner
	Band Select	Sort of Antenna to			Aligning Position
	Switch Position	be attached to SSG	Frequency of SSG	Variable Capacitor Position	
13			5.8 MHz	Max. capacity	L7
14		. :-	18.6 MHz	Min. capacity	TC13
15	sw	Loop Antenna	Adjust the above alig	ning position (L7 & TC13) repeat equency range (bandwidth).	edly so that thetuner
16	- 3**	LOOP /-Intollina	6 MHz	To receive 5 MHz	L8
17	1		18 MHz	To receive 18 MHz	TC12
18			Adjust the above all tuner can obtain the	igning position (L8 & TC12) reperture best sensitivity.	peatedly so that the
4-1 (1 (2 (3 (4	FM IF ALIGNMENT Conditions of the re Power source: Function switch po Volume control: BASS/TRE control: Variable capacitor:	eceiver sation:	Same as mentioned TUNER Approx. 50 mW Center position Refer to the followin	in item 1-1 ng list shown in item 4-4.	

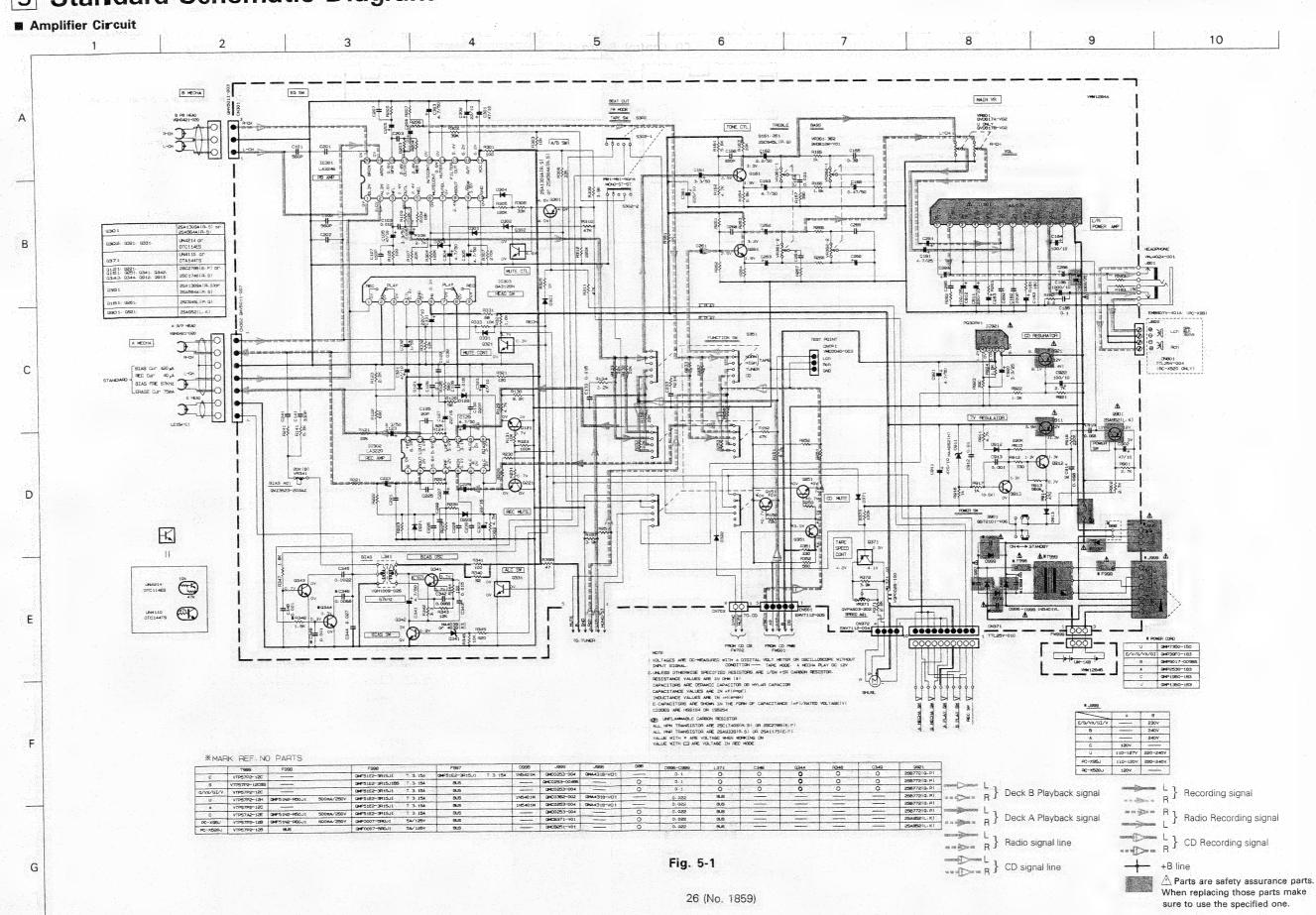
	Item			Description	
(1) l (2) l	Connection of FM S Modulation: Frequency: Output level of the a	SG atttenuator in FM SSG:		g list shown in item 4-4. decided by the load resistand	ce of the receiver
(1) (2)	Connection of swee Tuner input: Output measuring p Alignment	per and the receiver	Positive side to TP1, Speaker terminal	Negative side to TP2	
	Band Select Switch Position	Sort of Antenna to be attached to SSG	Frequency of SSG	Variable Capacitor Position	Aligning Position
1			87.5 MHz (B/E/G/EN) 87.35 MHz (GI)	Max. capacity	L1
2			109.0 MHz (B/E/EN) 108.3 MHz (G/GI)	Min. capacity	TC1, 11
3	FM (E/B/EN)	Dummy Antenna (75 Ω, unbalanced)		ning position (L1 & TC1, 11) repove frequency range (bandwidth	
4	(E/D/EIV)	(75 sz, unbalanceu)	90 MHz	To receive 90.0 MHz	L2
5			106.0 MHz	To receive 106.0 MHz	TC2
6			Adjust the above align can obtain the best s	ning position (L2 & TC2) repeate ensitivity.	dly so that the tuner
• 1 (1) (2)	Supply the monaura		cross the test points TF	25 and TP6.	

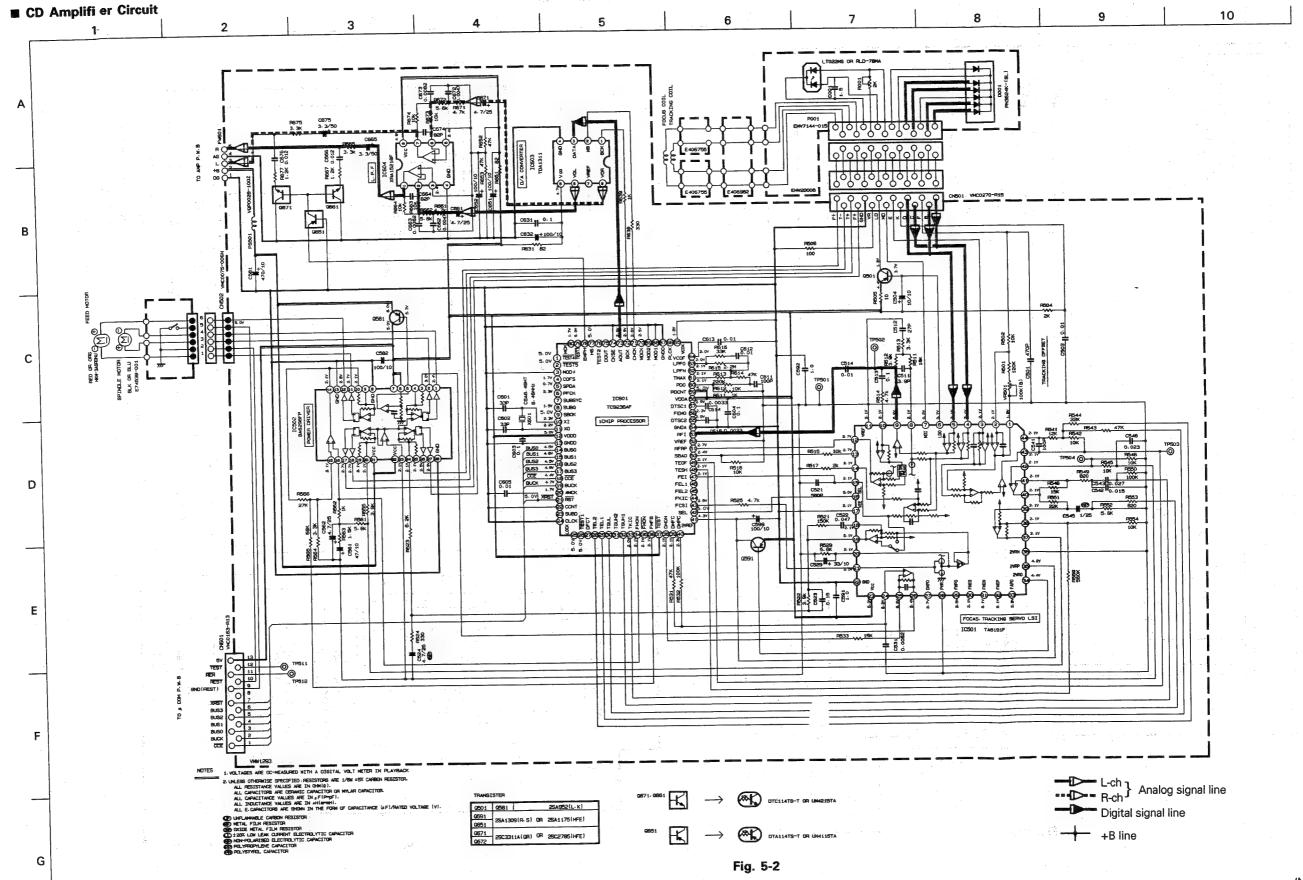
■ Deck Adjustment

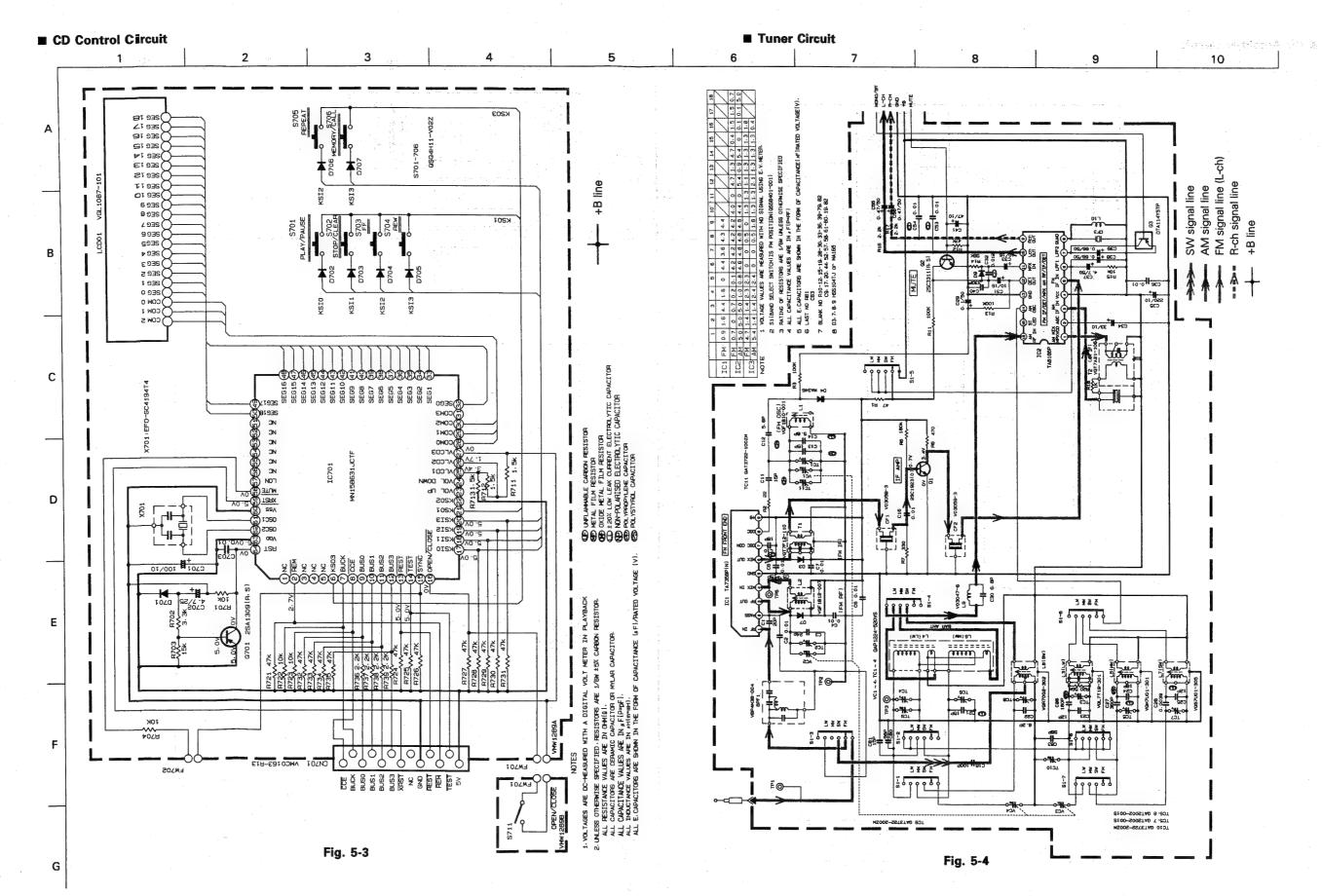
Item	Tape to be used	Check and Adjustment Procedure	Switch Position	Adjusting Point
Head azimuth adjustment	VTT703 (10 kHz)	For both of mechanism A and B, adjust setscrews to maximize output level and to minize phase difference between R and L channels. After adjustments, apply screw sealant to lock setscrews. If fine adjustment is needed after reassembly, do it by inserting a screwdriver through the adjusting hole between the door and button.	TAPE: NORMAL • Mechanism A	Mechanism A (REC/PB): Left setscrew MechanismB(PB): Left setscrew
Tape speed adjustment	VTT712 (3 kHz)	Play the test tape VTT712 on the mechanism A and adjust VR371 so that frequency counter reads 3010 ± 10 Hz. Set the DUBBING switch to HIGH speed, and play back the test tape on the mechanism B and record it on the mechanism A while confirming tape speed of 5200 to 5800 Hz.	TAPE: HIGH	VR371 Mechanism A: Adjust nearly with tape end.
Wow & flutter check	VTT712 (1 kHz)	Must be within 0.38 % (JIS Unweighted)	TAPE: NORMAL	en de la companya de
PB output level check	VTT724 (1 kHz)	Play back VTT724 test tape while confirming that speaker output is 2.7 V or more as the volume is set to maximum.	TAPE: NORMAL	
PB frequency response check	VTT736	Confirm respective frequencies as compared with 1 kHz. 8 kHz signal: $+0\pm3$ dB, 125 Hz signal: $+2\pm3$ dB	TAPE: NORMAL	
REC bias frequency adjustment	(TS-8) Normal tape	First confirm nothing wrong, then adjust as follows. Set the BEAT CUT switch (\$103) to the position 1 and adjust L341 so that oscillation frequency is 67.5 kHz \pm 2 kHz at the terminal of C345. (For this adjustment, connect 1 M Ω resistor in series.)	S301 (BEAT CUT) Position 1: 70 kHz Position 2: 67.5 kHz	L341
REC frequency response adjustment	(TS-8) Normal tape	Supply 1 kHz, -3 dBs siganl to TP1 input while confirming that REC/PB output level is 0 \pm 3 dB compared with monitor level.	2 (4)	
REC/PB output level check	(TS-8) Normal tape	Mechanism A: Input reference signals to TP1 and adjust VR341 so that REC/PB output level is as follows compared with 1 kHz level. (Reference input level: 50 dB) B kHz signal: 0 dB ± 3 dB, 125 Hz signal: +1 dB ± 3 dB		VR341



5 Standard Schematic Diagram

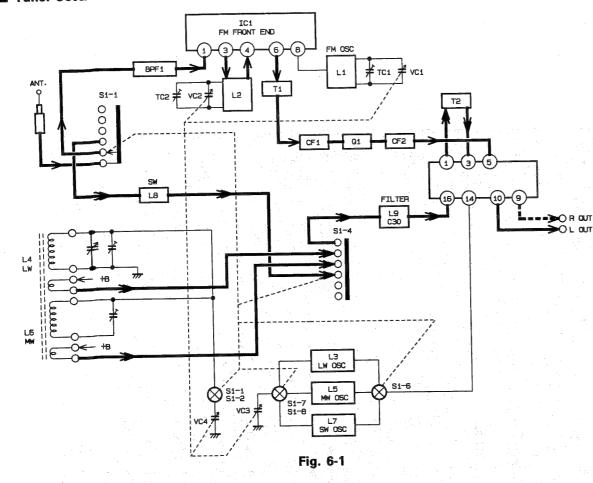




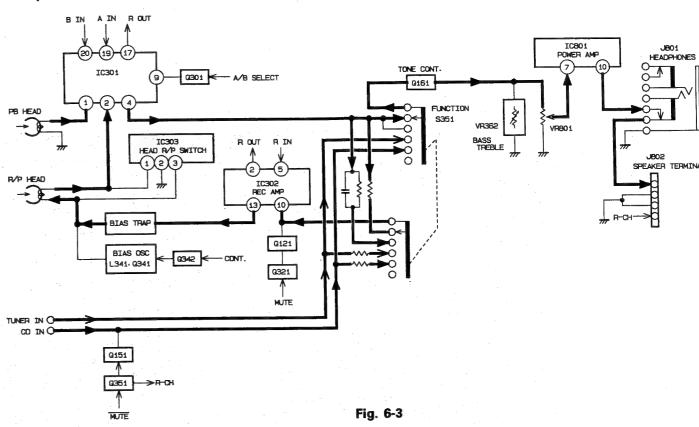


6 Block Diagram

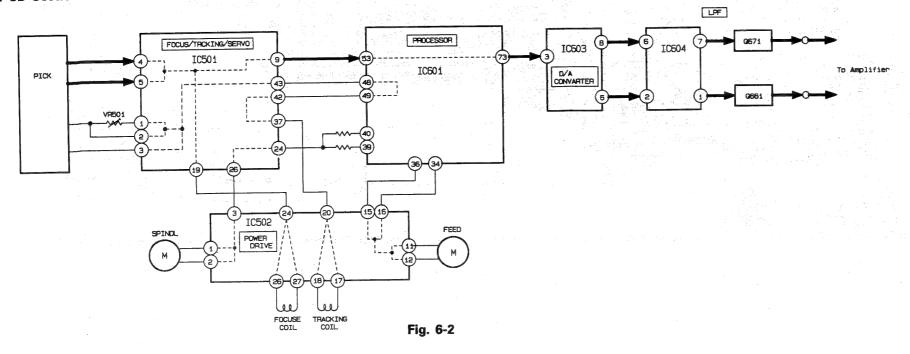
■ Tuner Section



■ Amplifier Section



■ CD Section



7 Location of P. C. Board and Parts List

■ Main Board 📵 🗓

⚠ Parts are safety assurance parts.

■ Main Board Parts List When replacing those parts, make sure to use the specified one.

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RE.	3MF 20%	10MF 20%	2MF 20% 16V	018MF 20%	.7MF 20% 5	20PF 10% 5	015MF 5% 5	30PF 10% 5	SMF 20% 5	.2MF 20% 5	.7MF 20% 5	34 36	47MF 20% 5	220PF 10% 50V	20PF 10X 5	7MF 20% 10	00MF 20% 1	10MF 20% 2	SOPE 10%	50PF 10%	012MF 5% 5	50PF 10X	05 80	039MF 20%	3MF 20% 50	1085 208	2MF 20% 1	018MF 203	THE ZOX	015MF 5%	30PF 10%	010MF 507	. 2MF 20%	4.7MF 20% 50V	47MF 20%	20PF 10X	20PF 10%	7MF 20%	10MF 20%	000MF 207	7MF 20% 1	2MF 20% 16V	4 - /MF 20% 50V	.7MF 20%	7MF 20% 1	ZMF 20% 1	20MF 20X	.OMF	.7Mf 20% 50	SCOPE 52	0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
PARTS NAME	CAPACIT	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACIT	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	E CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITOR	CAPACITUR	CAPACL
PARTS NO.	QETC1HM-33	QCS11HJ-200	QCC11EM-104	30	27-MH-1710	QCBB1HK-22	QFLC1HJ-153	QCBB1HK-331	010	DETCINALOUS	GETC1HM-475	QFLC1HJ-33	GETC1HM-474	QCBB1HK-221	GEM41EM-4(3	GCDDINK-22	QETC1AM-107	QCC11EM-104	QETC1AM-108	GCBB1HK-561	QFLC1HJ-1	QCBB1HK-151		QCC31EM-3932	QETC1HM-335	QCS11HJ-20	GCC11EM-10	QCC31EM-18	QETC1HM-47	QCBB1HK-22	QCBB1HK-33	QCVB1CM-1C	QETC1HM-22	QETC1	QETC1HM-47	QCBB1HK-2	QER41EM-4	QER61AM-4	QETC1AM-1	GCC11EM-1	QETC1AM-4	GETC1CM-2		QETC1HM-4752	QETC1AM-476Z	QETC1CM-22	QFTC1AM-2272	QETC1HM-1057	QETC1HM-4752	QFN41HJ-68	/ C - H - J - Z
REF.	c 123	C 125	C 126	C 127	120	021	C 133	C 141	C 157	107 7	163	C 164	C 166	C 168	181	707	C 184	C 185	C 186	202	C 203	C 204	C 205	0 222	C 223	C 225	C 226	C 228	C 229	C 230	C 241	C 257	C 262	C 263	C 266	C 268	C 281	C 283	C 284	C 285	C 301	C 302	C 303	C 305	C 321	C 322	C 523	C 332	C 341	C 342	4

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В			ОР	.010MF	24PF	5	15PF	.010	.010	18PF	15PF	20.0	1471	2.0	39PF	010	22PF	10PF	1806	3900	.010	6.8P	10MF	2000	E O E	1000 1000 1000 1000	270	2.23	.68₩	.68M	47MF	100	1877	1500	20PF	150P	.033	.033	47MF	150P	1000	1000	1507	150P	15PF	.010	.010	10PF	187	1 56PF	1000	2.2	2000	.01	150	47M	.039MI
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	PAR	VBP4M3	521	CVB	CS11	2CVB1	2CS11	2CVB1	3CVB1	2CT30	3CT30	2CT30	20130	2CT3	5C V 03 I	CVB1	ac130	aCT05	0 CS 11	3 le	OCVB1	QCSB1	QETC1	QCC31	QETC1	SE C 1	1000	001771	QETC1	QETC1	QEK40	QETC1	QCT30	ECC 21	acs11	QCBB1	acc31	QCC31	SET CO	QCBB1	QCBB1	QCBB1	acee1	200	000	QCVB1	QCVB	acs1	QCS1	ماد	QCBB	acsB	00000	3 G	QCBB	QETC1	2 G
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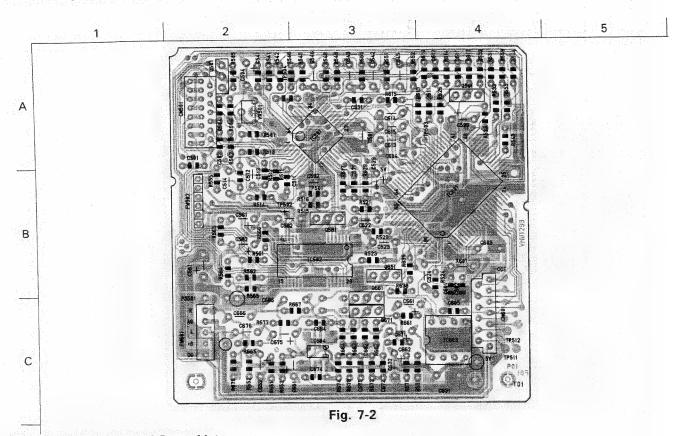
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REMARKS		MOND ST		POWER SW		7 5%		1 2 1	ŝ	470 5% 1/6W	56K 5% 1/6W	5% 1	N 10	560 5% 1/6W	560 5x 1/6W	1.0K 3% 1/0W 54K 5% 1/4E	47 5% 1/6W	47 5% 1/6W	10K 5% 1/6%	1.0K 5% 1/6W	10K 5% 1/6W	12K 5% 1/6W	18K 5% 1/6W	2.7K 5% 1/6W	22K 5% 1/6W	22K 5% 1/6W	2.2K 5K 1/6W	5% 1	560 5% 1/6W	4.7K 5% 1/6W	28		22K	2.2K 5%		8.2K 5%		3.9K 5%	22K 5% 1	5.6K 5% 1/6%	10K 5	6.8K 5%	N 1	390 5% 1/6W	5% 1	2.2 5% 1/6W 150 5% 1/6W	12K 5X 1	18K
PARTS NAME			TRANSISTOR		TRANSISTOR	RESI	CARBON RESISTOR	RESI		RESI	CARBON RESISTOR	STOR		CARBON RESISTOR	RESISTOR	CARBON RESISTOR	RESISTOR		RESISTOR	CARBON RESISTOR	RESISTOR	RESISTOR	CARBON RESISTOR	RESISTOR	RESISTOR	RESISTOR	C RESISION	RESISTOR		CARBON RESISTOR	RESISTOR	CARBON RESISTOR	RESISTOR	RESISTOR	CARBON RESISTOR		CARBON RESISTOR	RESI		ac 0	CARBON RESISTOR	RBON RESIS	CARBON RESISTOR	CARBON RESISTOR	-	CARBON RESISTOR	RESISTOR	RESISTOR
PARTS NO.	V03047-17 VQP0028-1001	DTA114YS	2SC945L (P.Q)	25A952(L,K)	25B772(Q,P)		QRD161J-220	0RD161.1		_	QRD161J-331			GRD161J-102		QRD161J-102	QR0161J-470				QRD161J-103		1				QR0161J-681			QRD1611-472			GRD1613-223	1	GRD167J-562	QRD161J-822	QRD161J-473	QRD161J-223	QRD161J-223	QRD167J-562				QRD161J-162YT	QRD161J-18	QRD1613-2R		GRD161.1-18
A REF.	L 011		0 161		A 0 911	02	R 002				R 007	R 012		R 015	i i	R 018	R 020			R 025				8 103	R 107	- 1	R 122			R 120	R 130	R 131		1	R 141	R 151	7	R 153	1 44	-	R 162	16		R 166		R 182	R 203	R 204
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PARTS NAME	C CAPACITOR	M CAPACITOR	C CAPACITOR	C CAPACITOR	E CAPACITOR	E CAPACITUR	E CAPACITOR	E CATACLION	F CAPACITOR	CAPACITOR	C CAPACITOR	CCAPACITOR	C CAPACITOR	E CAPACITOR	E CAPACITOR	E CAPACITOR	TE CAPACITOR	TF CAPACITOR	TF CAPACITOR	C FILTER	CFILTER	FINE TO DED	FUSE HOLDER	CONNECTOR	CONNECTOR	CONNECTOR	SOCKET	SOCKET	VC DIODE	ZENER DIODE	SI DIODE	SI.DIODE	SI DIODE	SI DIODE	SI DIODE	1 S D T	FUSE	IC	21	21	J.C.) U	JACK	SPK. TERMINAL	DC JACK	AC SOCKET	OSC COIL	RF COIL	OSC COIL	OSC COIL	OSC COIL	RF COIL	
PARTS NO.	ACY41HK-222	OFN41HJ-682	QCBB1HK-102Y	QCBB1HK-102Y	QETC1AM-2272N	QETC1AM-22/2N	GEICIEM-1072N	MEI BIEM-556N	QE1C1AM=4702N	OCCUPACE -1040	ACBB1HK-102Y	QCC11EM-683V	QCC11EM-683V	QER61EM-3352	GETC1HM-475ZN	GETC1AM-107ZN	GFV41HJ-104	DFV41HJ-104	QFV41HJ-104	VCF2L3B-105	VCF2E38-105	VCF1666-1116	VMZ0087-001Z	TTL25V-003	QMV5011-003	QMV5011-007 TTL25V-010	EMV7112-004	EMV7112-005	VMC0107-002	MA700	1SR35-100	185401M	1N5401VL	1N5401VL	1N5401VL GMF51F2-3R15.11	QMF51E2-3R1J1BS	QMF51E2-3R15J1	TA7358P(N)	TA8186P	LA3220	BA3126N	PO30RV1	VMJ4024-001	EMB90YV-401A	QMA4318-V01	GMC0263-004	VQF1B10-004	VQF1B12-011	VQL7719-301	VQM7U01-301	V@S7U01-305	VaR7002-302	7 6/0207
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REF. PARTS NO. PARTS NAME REMARKS R 372 GRD161J-222 CARBON RESISTOR 2.2K 5% 1/6W R 372 GRD161J-222 CARBON RESISTOR 3.9% 5% 1/6W R 901 RD161J-272 CARBON RESISTOR 2.7% 5% 1/6W R 901 RD161J-272 CARBON RESISTOR 2.7% 5% 1/6W R 912 GRD161J-272 CARBON RESISTOR 4.7% 5% 1/6W R 913 GRD161J-272 CARBON RESISTOR 5.0% 5% 1/6W R 914 GRD161J-272 CARBON RESISTOR 7.0% 5% 1/6W R 915 GRD161J-274 CARBON RESISTOR 7.0% 5% 1/6W R 916 GRD161J-224 CARBON RESISTOR 1.0% 5% 1/6W R 917 GRD161J-224 CARBON RESISTOR 1.0% 5% 1/6W R 918 GRD161J-224 CARBON RESISTOR 1.0% 5% 1/6W R 924 GRD161J-324 CARBON RESISTOR 1.0% 5% 1/6W R 925 GRD161J-324 CARBON RESISTOR 1.0% 5% 1/6W R 925 GRD161J-391 CARBON RESISTOR 1.0% 5% 1/6W R 925 GRD161J-391 CARBON RESISTOR 1.0% 5% 1/6W R 926 GRD161J-391 CARBON RESISTOR 1.5% 5% 1/6W R 927 GRD161J-391 CARBON RESISTOR 1.5% 5% 1/6W R 925 GRD161J-391 CARBON RESISTOR 1.5% 5% 1/6W R 926 GRD161J-391 CARBON RESISTOR 1.5% 5% 1/6W R 927 GRD161J-162 CARBON RESISTOR 1.5% 5% 1/6W R 926 GRD161J-162 CARBON RESISTOR 1.5% 5% 1/6W R 927 GRD161J-162 CARBON RESISTOR 1.5% 5% 1/6W R 927 GRD161J-162 CARBON RESISTOR 1.5% 5% 1/6W R 926 GRD161J-162 CARBON RESISTOR 1.5% 5% 1/6W R 927 GRD161J-162 CARBON RESISTOR 1.5% 5% 1/6W R 926 GRD161J-162 CARBON RESISTOR 1.5% 5% 1/6W R 926 GRD161J-162 CARBON RESISTOR 1.5% 5% 1/6W R 927 GRD161J-162 CARBON RESISTOR 1.5% 5% 1/6W R 927 GRD161J-162 CARBON RESISTOR 1.5% 5% 1/6W R 926 GRD161J-162 CARBON RESISTOR 1.5% 5% 1/6W R 927 GRD161J-162 CARBON RESISTOR 1.5% 5% 1/6W R 926 GRD161J-162 CARBON RESISTOR 1.5% 5% 1/6W R 927 CARBON RESISTOR 1.5% 5% 1/6W R 927 CARBON RESISTOR 1.5% 5% 1/6W R 927 CARBON RESISTOR	UF																							NA . L. C. C. H	60			Y St.	教養に			4			The second			4000	
REF. PARTS NO. PAR R 372 QRD161J-222 CARBO R 372 QRD161J-372 CARBO R 902 QRD161J-272 CARBO R 911 QRD161J-472 CARBO R 912 QRD161J-472 CARBO R 913 QRD161J-564 CARBO R 913 QRD161J-564 CARBO R 914 QRD161J-224 CARBO R 915 QRD161J-224 CARBO R 916 QRD161J-272 CARBO R 916 QRD161J-272 CARBO R 918 QRD161J-102 CARBO R 921 QRD161J-391 CARBO R 923 QRD161J-391 CARBO R 924 QRD161J-391 CARBO R 925 QRD161J-391 CARBO T 001 VRT762-100M T CA TC 10 QRT3722-100M T CA TC 11 QRT3722-100M T CA TC 12 QRT3722-100M T CA TC 13 QRT3722-100M T CA VR361 QVPA603-202M V RE VR361 QVPA603-202M V RE VR361 QVPA603-202M V RE	REMARK	24 %	4 3 0 U	1 11	4 % 0 U	4	4	× :	N.	5% 1	5%	20K 5% 1	. OK 5% 1	. OK 5% I	.7K 5% 1/	77 22	57 1/	7%		110 MON TO 110	FUNCTION		7.5	4						1000	10121	2	- d		1				
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	ARTS	QRD161J-222	QRD161J-392	QRD161J-104	QRD161J-272	QRD1611-272	7-6	3	J-5	QRD161J-471	2	2	QRD161J-102	QRD161J-102	@RD161J-272	-15	1	QRD161J-152	QSL6A84-V01	QSL6A23-V01	QSL6A64-V01	QST5102-V04	VQT7F12-111			_1_			QAT3722-100M	QAT3722-100M	QAP1224-520VS	@VPA603-203A	QVDB12W-V01	3 6	7 A				
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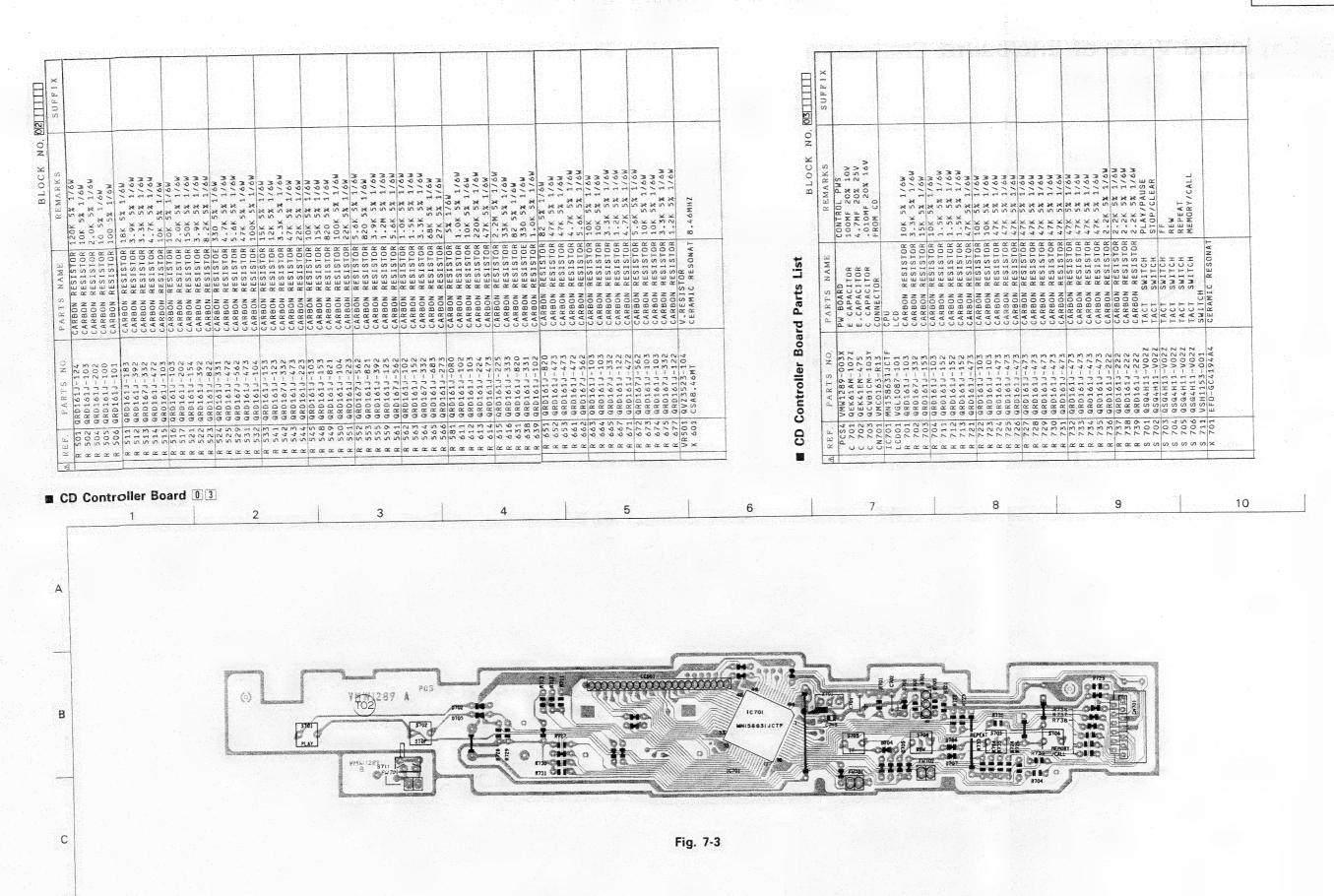
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BLOCK NO. 01	3 000	2.7K 5% 1/	22K 5% 1/6	22K 5% 1/6	680 5x 1/6	2.2K 5% 1	82K 5% 1/0	56 52 1/	4.7K 5X 1/	8.2K 5% 1/	10K 5% 1/6	22K 5X 1/	22K 5% 1/0	5.6K 5% 1/6	10K 5% 1/6W	8.2K 5% 1/	47K 5K 1/6	7 2 2 7 2 1 2 2 1 2 2 2 2 2 2 2 2 2 2 2	22K 5% 1/6	5.6K 5% 1/6	4.7K 5% 1/	10K 5% 1/6W	1 OK 5% 1/	1.6K 5% 1/6	390 5% 1/6	180 5% 1/6	2,2 5% 1	150 5% 1/6	39K 5% 1/6	10K 5% 1/6	120K 5% 1/	120 54 1/6W	270K 5K 1	33K 5% 1/6	3.9K 5% 1/	47K 5% 1/	220K 5% 1/	120 5% 1/6W	100K 5% 1/6	1.8K 5% 1	1.0K 5% 1/6	12K 5% 1/	10K 5% 1/6	82 5% 1/6W	100 5% 1/	12K 5% 1/6	100 5% 1/6	820 5% 1/6	10K 5% 1/6	1.88 5% 1/6	330 5% 1/6	29 099	47 5% 1/6	1.0K >
PARTS NAME	DOW DECTOTOD	BON RESISTOR	BON RESISTOR	BON RESISTOR	BON RESISTOR	RESISTOR	ABON RESISTOR	SOLVENIN OR STORY	BON RESISTOR	RESISTOR	RON RESISTOR	ROON RESISTOR	ABON RESISTOR	PRON RESTSTOR	RBON RESISTOR	RBON RESISTOR	RBON RESISTOR	MODE SECTOR	RBON RESISTOR	RBON RESISTOR	RBON RESISTOR	RBON RESISTOR	RESISTOR	RESISTOR	RBON RESISTOR	RBON RESISTOR	RBON RESISTOR	RBON RESISTOR	RECOR RESISTOR	RBON RESISTOR	RBON RESISTOR	RECN KENINIUR	CARBON RESISTOR	RBON RESISTOR	REDUN RESISTOR	RBON RESISTOR	RBON RESISTOR	ABON RESISTOR	KRBON RESISTOR	ARBON RESISTOR	ARBON RESISTOR	SECN RESISTOR	ARBON RESISTO											
PARTS NO.	TANA	QRD161J-10	GPD161.1-22	9RD161J-22	QRD161J-68	@RD161J-22	QRD161J-82	QRD1613-56	0R0161.1-47	QRD161J-82	QRD161J-10	aRD1613-28	QRD161J-22	URD1013-6	QRD161J-10	QRD161J-8	QRD161J-4	QRD161J-2	QR01611-2	QRD1673-5	QR0161J-4	QRD161J-1	ORD167J-6	GRD1611-1	QRD161J-3	QRD1613-1	QRD161J-2	QRD161J-1	GRD1613-1	QRD161J-1	QRD161J-1	0RD161J-1	QRD161J	QRD161J-3	QRD1613-3	0RD1613-4	GRD1613-2	QRD167J-1	GRD161J-4	QRD1613-1	GRD161J-1	QRD161J-6	GRD1613-1	GRD161J-8	QRD161J-1	GKU101J-1	GRD1613-1	G GRD161J-8	S QRD161J-1	QRD161J-1	0R01611-3	QRD1613-5	5 QRD161J-4	1 QRD161J-1
330	i [0 9	2 6		~	2	~	011		10	1 0	G.	011	, ik	v	N	N	N	NO	i N	C)	N	OL C	v n	a N	4 64	I CA	CO I	M	M	M	M 1	307	M	W)	M M	n	MI	א נא	ו ויי	143	עונט	13 M.	3 14.3	la 3 t	ماده	וא ני	(a)	14.1	יונייי	,, ,,	, 6,	г,	""

■ CD Amplifier Board 0 2

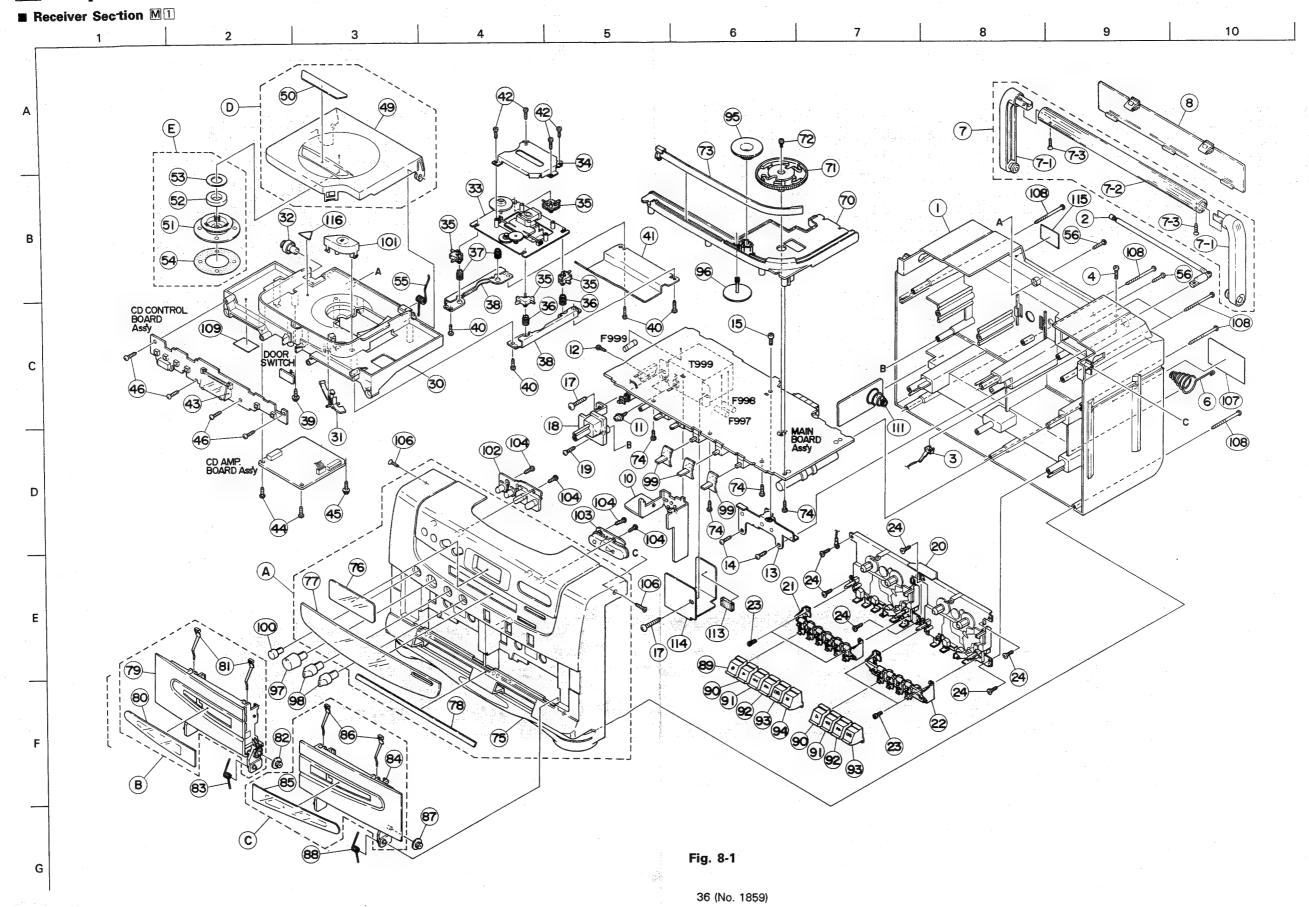


■ CD Amplifier Board Parts List

SUFFLA																										i i																										
REMA	OPF 10% 50	2	% 16V	0		26	S	0	S	34 H	4.7MF +30:-10%	70.7	% C	2 E. E.	2 20	%0	28	7 7	. 7MF 20%	100MF 20% 10V	200		20%	OR CRYS	JOME 20% 2	10MF 20	20%	0% 50	20% 1	W 18	1 LO	20%	10%	10%	100MF 20% 10V	20%	8200PF 20% 16V	1% 50V	20% 25V	2 202	20% 1	20% 16	28 500	012MF 20% 25V			SI	OWER DRIVER	2	1		DOLUGICADO NO
PARTS NAME	33.5	CAPACITOR	CAPACITOR	CAPACITOR	.CAPACITOR	CAPACITOR	CAPACITORR	CAPACITOR	F.O.R	F CAPACITOR	E.CAPACITOR	CAPACITOR	CAPACITUR	CAPACITUR	CAPACITOR	.E.CAPACITOR	CAPACITOR	CAPACITOR	E CAPACITOR	E CAPACITUR	C CAPACITOR	C CAPACITOR	E CAPACITOR	C CAPACITOR	CCAPACLICA	C CAPACITOR	C CAPACITOR	C CAPACITOR	C CAPACITOR	M CAPACITORR	M CAPACITOR	C CAPACITOR	E CAPACITOR	E CAPACITOR	E CAPACITOR	C CAPACITOR	C.CAPACITOR	C CAPACITOR	E CAPACITOR	C CAPACITOR	C.CAPACITOR	C.CAPACITOR	C CAPACITOR	CAPACIO	NNECTOR	NNECTO	JI	J.		100	TRANSISTOR	0
PARTS NO.	QCBB1HK-471Y	CVB1	ET	CSB1HK-3R9	QCS11HJ-270	3FLC1HJ-1047	AFLC1HJ	ACBB1HK	QFLC1HJ	QFV71HJ	GEN61ER	QETC1AP	QCVB1CM	QCBB1HK	OFI CIH.	QFN61HP	GFLC1HJ	QETC1AN	QETC1HP	QETC1AN	VCP0009	VCPOOOS	QETC1A	QCS11H.	QCS11H.	はして こうしゅうしょう	QCVB1C)	QCBB1H	QCVB1C)	QFLC1HJ-103ZM	DEN41H	QCC11EN	QETC1AM-477	QETC1AM-1072	QETC1AM-107Z	GC VR1 CM-470	QCVB1CM-82	QCBB1НК-82	GETC1EM-335ZN	QCC11EM-12	QCXB1CM-472	QCVB1CM-822	QCBB1HK-820	GELCIEM-5552N	VMC0270-R15	VMC0163-R13	TA8191F	BA6298FP	TC9236AF	V0P0028~1007	25A952(L,K)	
REF.	501	503	204	511	512	513	514	521	522	523	524	529	531	541	245	545	546	561	562	581	597	592	599	601	209	200	605	611	612	C 613	0 14 7 15	631	632	651	C 652	601	0 0 0	999	665	666	672	673	674	677	N501	N601	C501	C 505	10601	5501	501	



8 Exploded View of Enclosure



■ Enclosure Parts List

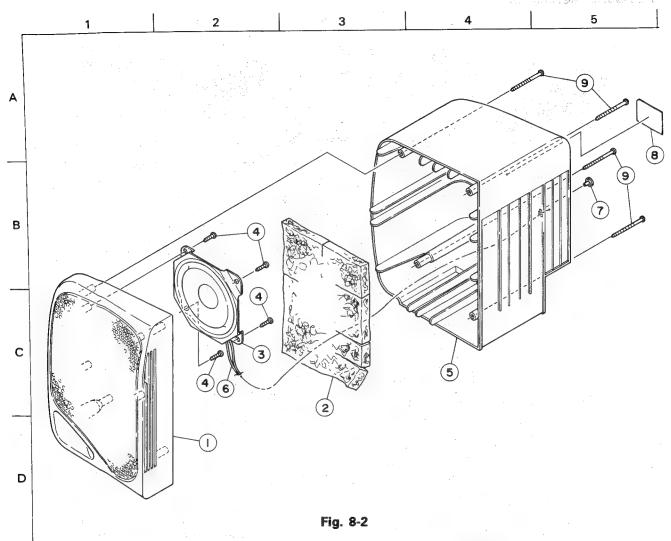
		;	BLOCK NO. MIMM			
REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
A	ZCPRX95GI-FB	FRONT CABINET		1		
	ZCPRX95EN-FB	FRONT CABINET		1	EN	
	ZCPRX95G-FB	FRONT CABINET		1	G	
1	ZCPRX95E-FB	FRONT CABINET	4 1 2 1 1 1	1	E 45 7 5 5 7	
	ZCPRX95B-FB	FRONT CABINET	å.	1	В	
В		CASSETTE CASE	DECK A	1		
C		CASSETTE CASE	DECK B	1		
D		DUST COVER		1		
E				1		
	VJG1105-004	REAR CABINET		1 1	B,G,GI	
-	VJG1105-002	REAR CABINET		1	E/EN	
	VJA3006-00E	ROD ANTENA ASSY	t in the second second	1		ì
	VMZ0112-10SF	ANT.T.LUG ASS'Y		1		1
4	1	SCREW	ROD ANT+REAR	1		
	VYH5657-001	BATTERY SPRING	1	1		
		HANDOL ASS'Y		1		
7	VJC2016-008	BATTERY COVER		1		
		HEAT SINK		1	1	
	VYH3730-002	SCREW	TR+HEAT SINK	2		1
	DPSP3008Z		IC+HEAT SINK	1		
	SBSF3008Z	AC BRACKET	TOTILEAT STAK	1 1		
1	VKL7204-001		AC BRACKET	2		
1		SCREW	AC BRACKET	1		
	SBST3006Z	SCREW	POWER TRANS	2	1	1
	7 GBSF4020Z	SCREW	FUWER TRANS	1		
	8 VKS3598-001	MECHA HOLDER	R.CABI+M.HOLDER	1		
1		SCREW	1	1		
2		MECHANISM ASS'Y	CASSETTE		1	1
2	1 182131301ZT	BUTTON FRAME AS		1	1	
2	2 182131307ZT	B. FRAME ASS"Y	10014 . 450	1		
2	3 99991402T	MINI SCREW	B.F.ASS'Y + MEC	4		
	4 SSSF3012Z	SCREW	MECHA+REAR CABI	6	,	1
3	0 VJD1161-001	CD CASE		1	1	
3	1 VKS5416-001	LOCK ARM		1 1	1	
3	2 VYH4769-002	GEAR		1	t	
	3 EXL-M6A	CD MECHA		1 1		-
3	4 VJD5410-004	PICK COVER	1 1	1	1	ı
	5 VYH6596-001	CD CUSHION	FOR CD MECHA	4	1	-
3	6 VKW4693-101	CONICAL SPRING	FOR CD MECHA	3		1
. 3	7 VKW4693-102	CONICAL SPRING		- 4		1
3	8 VKL7209-002	CD MECHA HOLDER			2	
3	9 E65923-003	T.SCREW	OPEN , CLOSE SW			
4	0 SBSF3012Z	SCREW	CD ASSY+CD CASE		+	
4	1 VYH7741-001	SHIELD	CD PROTECTOR	l l		
	2 SDSF2006M	SCREW	PICK COVER		4	ŀ
4	3 VKS5417-001	LCD HOLDER			1	
	4 SBSF3012Z	SCREW	CD BOARD		2	:
	5 GBSF3012Z	SCREW	CD AMP BOARD		1	
	6 SBSF3012Z	SCREW	LCD BOARD	4	4	
	9 VJT1045-003	CD DOOR			1	-
	50 VJD5404-001	CD LENS	MECHA A		1	
H	2 VYH7313-001	MAGNET			1	1
	7 1/1/313-001	YOKE			1	
	53 VYH7314-001	1 *			1	- 1
	54 V-YH7315-004	PAD CD DOOR SPRING		1	1	1
	55 VKW5021-003		CD ASS'Y+REAR		2	
	56 SBSF3014Z	SCREW	I UD MJS ITKEMK	1 1	<u>-</u>	

\triangle Parts are safety assurance parts .

When replacing those parts, make sure to use the specified one.

			÷'.	BLOCK NO. MIMM		ne to use the spec	
Δ	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	70	VYH1221-001	TUNER CHASSIS		1		
	71		DIAL DRUM	14.7 MARCH	1		1
	72	LPSP2606Z	SCREW	DIAL DRAM	1		
	73	VJN4142-001	NEEDLE		1		
	74	SBSF3012Z	SCREW	T.CHASSIS + AMP	4		
	75	VJG1106-002	FRONT CABINET		1		
11	76	VJD5411-001	LCD LENS		1		
	77	VJK3591-008	DIAL LENS		1	B,E,EN	
		VJK3591-003	DIAL LENS		1	G	1
		VJK3591-004	DIAL LENS		1	GI	
	78		CONTROL PLATE		1		
		VJT2302-001	CASSETTE DOOR (A	MECHA. A	1		
		VJT4198-001	CASSETTE LENS (A	MECHA. A	1		
	81	VKY4180-001	CASSETTE SPRING		2		
	82		GEAR		1		
	83		DOOR SPRING	· ·	1		
		VJT2302-002	CASSETTE DOOR(B	MECHA. B	1		'
		VJT4198-002	CASSETTE LENS(B	MECHA. B	1		
1		VKY4180-001	CASSETTE SPRING	•	2		
_		VYH5601-001	GEAR		1		
		VKW5025-003	DOOR SPRING		1		
1		VXP3391-001	MECHA BUTTON	DECK A.REC	1		
		VXP3391-002	MECHA BUTTON	PLAY	2	14	
Ī		VXP3391-003	MECHA BUTTON	REW	2		
L		VXP3391-004	MECHA BUTTON	FF	2		
		VXP3391-005	MECHA BUTTON	STOP	2		
-		VXP3391-006	MECHA BUTTON	DECK A, PAUSE	1		
-		VXL4407-001	TUNING KNOB		1		
		VXL4408-001	F TUNING KNOB	TUNER CHASSIS	1		
		VXL4421-001	VOLUME KNOB		1		
		VXL4422-001	KNOB	DUBBING, TAPE	2		
		VXQ4115-001	LEVER KNOB	FUNC/MONO.STE/B	3		1
		VXP5162-001	POWER BUTTON	The state of the s	1	*	
- 1		VXP5128-003	CD EJECT BUTTON		1 1		
1	102	VXP3513-001	CD BUTTON(A)		1		
		VXP3514-001	CD BUTTON(B)	1.11	1		
-		SBSF2608Z	SCREW	F.CABI+R.CABI	4	!	
-		SSSF3010M	SCREW	F.CABI+R.CABI 3	2		
Δ	107	VYN7061-M002T	NAME PLATE	A STATE OF THE STA	1	1	
		VYN7061-005T	NAME PLATE		1		
		VYN7061-M008T	NAME PLATE		1	£ '	
		VYN7061-M108T	NAME PLATE		1		1
		SBSF3045Z	SCREW	SPEAKER TERMINA	6		
		VND4220-001	LASER CAUTION	FOR CD CASE オモデ	1	l control of the cont	
L		VYH5483-001	BATTERY SPRING	UM-1	1		
Γ		VYSH107-011	FELT SPACER	FOR P.TRANS.	1	1	
1		VMA4555-001	SHIELD PLATE	FOR P.TRANS.	1		
		VND4221-001	CLASS 1 LABEL	* * *	1		
		E71541-001	E I LASER MARK	4 × 4	1		.
		VJH3066-002	H. HOLDER		2		
		VJH4093-116	HANDLE PIPE	1	1		
	7-3	SHSF3012N	SCREW	HANDLE PIPE	2		
- 1	1		1	1	- L - L - L	1 3 3 3 3	1

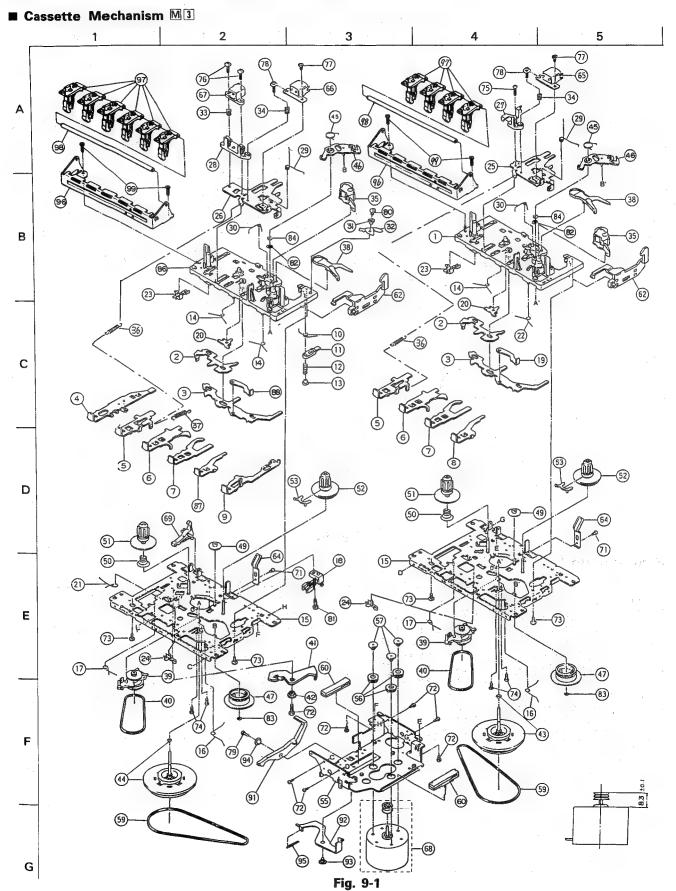
■ Speaker Box Section M2



■ Speaker Box Parts List

			· · · · · · · · · · · · · · · · · · ·	BLOCK NO. MIZIMP			
A	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
	2	VJC2473-00A VJC2474-00A VKZ4687-001 VGS1001-014 VJG1114-001	SP. PANEL ASS'Y SP. PANEL ASS'Y SOUND ABSOBER CONE SPEAKER REAR CABINET	LEFT SIDE RIGHT SIDE SP101 RIGHT SIDE	1 1 1 1 1		
	7	VJG1112-001 VMP0040-002T VJD5373-001SS VYN7061-001B SBSF3035Z	REAR CABINET SPEAKER CORD STOPPER ARM NAME PLATE TAPPING SCREW	LEFT SIDE	1 1 1 1 4		

9 Exploded View of Mechanism

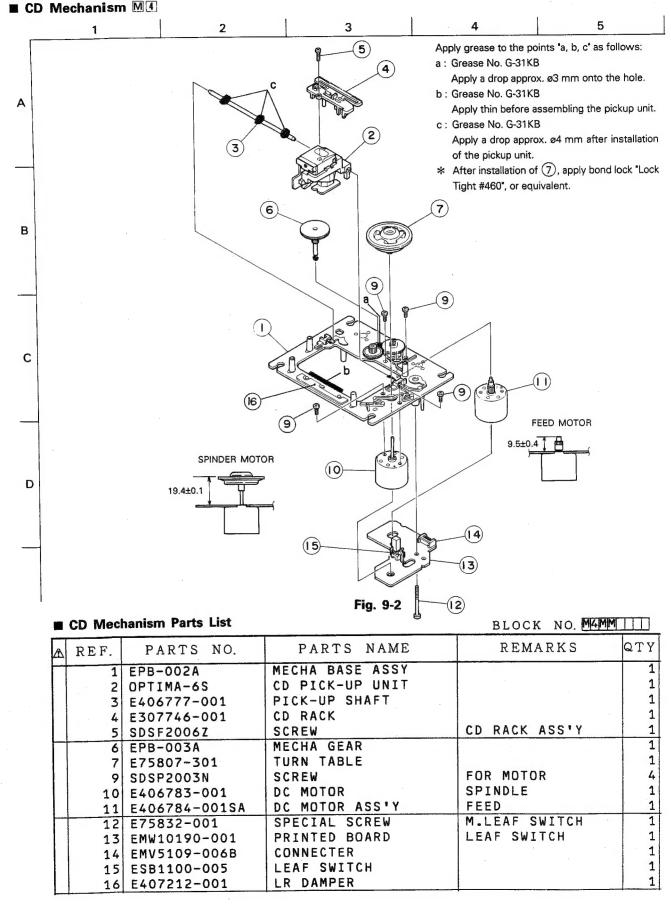


■ Cassette Mechanism Parts List

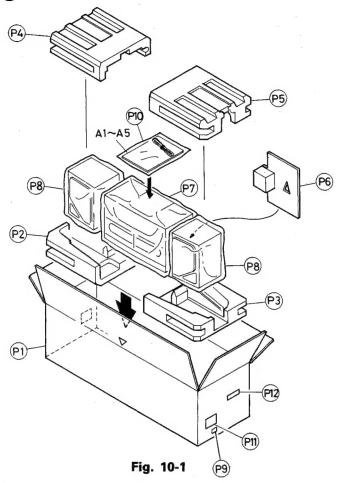
BLOCK	NO.	M3MM	

\triangle	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
H	1	192114301ZT	BASE ASS'Y		1		
	2	19211409T	SWITCH ACTUATOR		2		
		19211438T	PUSH B.ACTUATOR		2		
	4	19211422T	BUTTON LEVER	REC BUTTON	1		
	5	19211484T	BUTTON LEVER	PLAY BUTTON	2		
		19211424T	BUTTON LEVER	REW BUTTON	2		
	7		BUTTON LEVER	FF BUTTON	2		
	8	19211426T	BUTTON LEVER	STOP BUTTON	1		į
1 1		19211461T	BUTTON LEVER	PAUSE BUTTON	1		
	9		P CONT. SPRING	TAUSE BOTTON	1		
		19211413T	PAUSE LEVER (E)		1		
		19211455T		PAUSE LEVER	1		
1	12		SPRING	PAOSE LEVER	1 . 1		
	13		PAUSE STOPPER	BUTTON LEVES	1		
	14		TORSION SPRING	BUTTON LEVER	3		
_	15		CHASSIS ASS'Y	- ACTUATED	2		
	16		TORSION SPRING	E.ACTUATER	2		
	17		TORSION SPRING	P.S.LEVER	2		
	18	64010138T	LEAF SWITCH	MSW-1275	1		
	19		E.KICK LEVER		1		
	20	19211420T	STOPPER		2		
	21	19211449T	LEVER SPRING	REC BUTTON	1		
1	22	19211433T	TORSION SPRING	BUTTON LEVER(C)	1		
	23	MSW-1541T	LEAF SWITCH	MSW-1541T	2		
	24	640101161T	LEAF SWITCH	MSW-17820MVD0	2		
	25	19210311T	HEAD PANEL		1		
	26		HEAD PANEL		1		
	27		HEAD BASE		1		
		19210306T	HEAD BASE		1		
-		19210309T	PANEL P SPRING		2		
		19211418AT	SPRING	M CONTROL	2		
-		19211437T	P ARM COLLAR		1		
	1		P.ROLLER ARM		1		
	32		SPRING		1		
		18210308T	AZIMUTH SPRING		2		
		18210307T			2		
		192104306T	P.ROLL.ARM ASSY	PLAY BUTTON LEV	2		
- 1		18210150T	SPRING				
	37	18211311T	TENSION SPRING	E.SLIDE LEVER	1		
	38		SENSING LEVER		2		
	39		RF CLUTCH ASS'Y	1	2		
	40	18210711T	RF.BELT		2		
	4:		REC ARM		1	•	
		2 19211437T	P ARM COLLAR		1		
1	4:	3 192109318T	FLYWHEEL ASS'Y	PB MECHA.(B)	1		
1		4 192109317T	FLYWHEEL ASS'Y	REC/PB MECHA.(A	1		
		5 19212605T	TORSION SPRING	GEAR PLATE	2		
		6 192126502ZT	GEAR PLATE ASSY		2		
		7 19212602T	CAM GEAR		2		
	4	9 18211070T	F.FORWARD GEAR		2		
	5	0 18291010T	BACK T. SPRING		2		
	2	1 192105304T	S. REEL ASS'Y	SUPPLY	2	4	
-		2 192105303T	T. REEL ASS'Y	TAKE-UP	2		
l		3 19210506T	SENSOR		2	[1]	
ı			MOTOR BRACKET		1		
		5 19211211T	MOTOR RUBBER		3	.0	
	5	6 18211266T	MUTUK KUBBEK		ا		
1							

				BLOCK NO. M3	MITT		·
2	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
T	57	18511418T	COLLAR SCREW		3	M. W	
	59	19210923T	MAIN BELT	*	2		
		182112126T	ANTI V.FELT MAT		2		
1		19211302T	EJ. SLIDE LEVER	EJECT	2		
	64	18291001T	PACK SPRING	-	2		
	65		PB HEAD	DECK B	2		
	66		PB HEAD	DECK A	2		
		LE15A-C1	E HEAD	DECK A	1		
		1921123182T	MOTOR ASS'Y		1		
	69	18211069T	REC.SAF.LEVER		1		
1	71		TAPPING SCREW	M2 X 3	2		
1	72		SCREW	M2 X 4	7		
	73	96790000T	TAPPING SCREW	M2 X 5	4		
	74	99991809T	SPECIAL SCREW	M2 X 4.5	6		
	75		SCREW(M2 X 6)	M2 X 6	1		
	76	9223C000T	CAP SCREW	M2 X 7.5	2		
	77	91150000T	SCREW(M2 X 3)	M2 X 3	2		
	78	99220000T	SCREW(M2 X 7)	M2 X 7	2		
	79	91820000T	SCREW	M2 X 6	1		
	80	99992041T	SPECIAL SCREW	M2 X 3	1		
7	81	91810000T	SCREW	M2 X 5	1		
1	82	99990003T	POLYSLIDER WAS.	2.1X4X 0.13	2		
İ	83		POLY.CUT WASHER	1.2X3.8X0.3	2		
		99990313T	POLY.CUT WASHER	1.45X3.8X0.5	2		
Ì	86		BASE ASS'Y		1		
	87		BUTTON LEVER	STOP	1		
Ì		19211464T	E KICK LEVER		1		
l		19211209T	P.KICK LEVER(B)	}	1		
ı	92		P.KICK LEVER		1		
ļ	93		COLLAR SCREW		1		
\dashv	94		COLLAR (B)		1		
		18211312T	SPRING	E. SLIDE LEVER	1		
-		18213106T	FRAME		2		
		18213107T	SELECT LEVER		10		
		18293103T	SHAFT	BUTTON LEVER	2		
		99991402T	SCREW	BUTTON FRAME	4		+
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10 Packing



■ Packing Parts List

A	RE	F.	PARTS NO.	PARTS NAME	REMARKS	QTY	SUFFIX	CLR
+	A	1	VNN7061-251M	INSTRUCTIONS		1	B,GI	
Ì		ı	VNN7061-261	INSTRUCTIONS		1	E.G.EN	
1			VNN7061-271M	INSTRUCTIONS	İ	1	EN	
1	Α	2	PU36158	FTZ INFOMATION	ļ.·	1	G	
N	A	3	QMP5510-183BS	POWER CORD		1	В	1
7			QMP39F0-183	POWER CORD		1	E,G,GI,EN	
1	A	4	E43486-340B	SAFETY INST.SHE	1	. 1	В	
1	Α	5	BT20060	WARRANTY CARD		1	В	
ı			BT-20066A	WARRANTY CARD		1	B,G	
1			BT-20114	WARRANTY CARD		1	G .	
1	Р	1	VPC7061-001	CARTON		1		
1	P	2	VPH1593-001	CUSHION (BOTT/L)		1		1
- }	P	3	VPH1593-002	CUSHION (BOTT,R)		1		
	P	4	VPH1594-001	CUSHION (UP,L)		1		
	P	5	VPH1594-002	CUSHION (UP,R)		1		ı
1	P	6	VPK4276-00A	PAD ASS'Y		1		
1	P	7	E300196-031B	ENVELOPE	FOE SET	1		
١	P	8	VPE3020-018	POLY BAG	SPEAKER	2		
-	Р	9	QZLA001-005	APPROVAL MARK		1	G	
1	Р	10	VPE3005-007	POLY BAG	FOR INSTRUCTION	1		
7	P	11		SIRIAL TICKET		1	В	
1	i i		VND3044-005	SERIAL TICKET	·	1	G	
			VND3044-003	SERIAL TICKET		1	E,GI,EN	
-	p	12		EAN CODE LABEL		1 1		



VICTOR COMPANY OF JAPAN, LIMITED. PERSONAL AUDIO PRODUCTS DIVISON

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